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DECISION DOCUMENT SITE 6 NCBC GULFPORT MS
12/13/2006
BATELLE

DECISION DOCUMENT FOR SITE 6 AT NAVAL CONSTRUCTION BATTALION CENTER GULFPORT, MISSISSIPPI

Prepared for

Southern Division NAVFAC
P.O. Box 190010
North Charleston, SC 29419-9010

Prepared by

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December 13, 2006

DECISION DOCUMENT FOR SITE 6 AT NAVAL CONSTRUCTION BATTALION CENTER GULFPORT, MISSISSIPPI

Contract No. N47408-01-D-8207
Task Order No. 003

Prepared for:

Southern Division NAVFAC
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December 13, 2006

EXECUTIVE SUMMARY

Source removal was conducted at Site 6, a former fire fighting training area located at the Naval Construction Battalion Center Gulfport, under a Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) non-time critical removal action as part of the Navy's Installation Restoration program. The goal of the source removal action was to remove the light, nonaqueous-phase liquid (LNAPL) present in the subsurface, which serves as a source of contamination to the groundwater, to the maximum extent practicable.

LNAPL initially was recovered using an interceptor trench and recovery system. This system reduced the thickness of LNAPL in site wells by about half; however, in 1999 after approximately four years of operation, continued recovery of LNAPL became impractical using this technology. The Navy contracted Battelle to install and operate a more aggressive multi-phase extraction (MPE) system to facilitate the removal of the remaining LNAPL. The system was in operation from November 1, 2001, through October 26, 2004, during which an additional 2,330 gallons of LNAPL were recovered. The system was shut down because the rate of recovery of LNAPL decreased to only a couple of gallons per day, making the system cost prohibitive to operate.

Groundwater monitoring was performed semiannually, beginning in March 2004, to collect data necessary to demonstrate that the contaminants of concern in the groundwater comply with Applicable or Relevant and Appropriate Requirements (ARARs) as required by CERCLA. Monitoring data were compared to the Federal maximum contaminant levels (MCLs) (U.S. EPA, 2002) to evaluate compliance with Federal regulations. In addition, the State of Mississippi Brownfields Voluntary Cleanup and Redevelopment Program Tier 1 target remediation goals (TRGs) (Mississippi Department of Environmental Quality [MDEQ], 2002) were used to evaluate compliance with relevant State regulations.

The groundwater plume at Site 6 is limited in size and there is no evidence of significant migration beyond the source along the predominant groundwater flow direction. With the exception of total petroleum hydrocarbons quantified as diesel range organics (TPH-DRO) and naphthalene, the groundwater contaminant concentrations are in compliance with site ARARs. TPH-DRO and naphthalene were present above the Tier 1 TRGs in wells located within or immediately downgradient of the LNAPL plume (these contaminants do not have Federal MCLs). The highest chemical concentrations appeared in shallow wells GPT-6-1, GPT-6-4 and GPT-6-8, which are screened from 2.5 ft to 12.5 ft bgs. These wells are located within or near the source areas (inferred burn pit locations are shown in Figure 6). The groundwater monitoring data also indicate that concentrations along the plume axis are decreasing and thus there is no evidence for ongoing plume expansion/migration, which would have been evidenced by increasing concentrations. The low chemical concentrations indicate that the LNAPL has been largely depleted, and is no longer acting as a significant source of contamination to the groundwater.

A comparison of natural attenuation data collected from wells located within the area of contamination to perimeter and background wells was made to evaluate whether monitored natural attenuation (MNA) is viable at the site. A correlation of MNA parameters with total petroleum hydrocarbon contamination support that natural attenuation is occurring. One line of evidence is that dissolved oxygen (DO) levels are depleted within the plume indicating biodegradation of dissolved petroleum compounds. There also is a strong correlation between levels of iron and manganese and TPH-DRO, which suggests that iron and manganese reduction are occurring. Correlations of other MNA parameters observed with respect to variations in concentrations between contaminated and noncontaminated areas further substantiate that natural attenuation is occurring and limiting plume migration.

In October 2006, a site investigation was performed at the request the MDEQ to gather soil chemical concentration data. Direct push sampling was performed to collect soil for off-site analysis of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) and TPH at eight locations, including two locations for which historical data were available for comparison. The results were compared to the Tier 1 TRG values for restricted and unrestricted land use. TPH-DRO was detected at levels above the unrestricted and restricted Tier 1 TRGs at four locations. No other contaminants were detected above the unrestricted Tier 1 TRG values, except for dibenz[a,h]anthracene, which was below the Tier 1 TRG restricted value.

Because LNAPL is present and groundwater and soil contaminants remain above the Tier 1 TRGs, the Navy proposes to implement appropriate institutional controls at Site 6 (i.e., land use restriction and an agreed order with the MDEQ) to address the remaining hydrocarbon contamination. No further remedial action is warranted for the following reasons:

1) LNAPL thickness monitoring data indicate that the LNAPL plume will not migrate off-site. Water table fluctuations are smearing a few inches of LNAPL over 5 feet, thus allowing slight amounts of LNAPL to appear and disappear. Under these conditions, horizontal movement of LNAPL will not occur, and recovery of LNAPL will be negligible.

2) The LNAPL has been present at the site for over 40 years. Sufficient time has elapsed to allow the LNAPL and groundwater to reach a pseudo steady-state condition. It is not expected that the groundwater plume would expand in the future, which is substantiated by the groundwater monitoring data collected thus far indicating that the dissolved-phase plume exhibits no migration.

3) Groundwater contaminant concentrations are below regulatory standards (i.e., Federal MCLs and the Tier 1 TRGs) except for naphthalene and TPH-DRO. MNA, which has been demonstrated to be occurring at the site, appears to have limited contaminant migration. Soil contaminant concentrations also have decreased compared with historical concentrations. All soil contaminant concentrations are below regulatory standards (i.e., Tier 1 TRGs, restricted) except for TPH-DRO.

The MPE system will be dismantled and removed from the site. The extraction wells will be properly destroyed in accordance with local regulations. The groundwater monitoring wells will remain in place to monitor the progress of natural attenuation. A groundwater monitoring program will be developed, which will include monitoring for TPH-DRO, VOCs and SVOCs on a quarterly basis for two years. If the contaminant concentrations show a stable trend, the sampling frequency will be reduced to once every two years. The groundwater monitoring program will be evaluated every two years to determine the appropriate chemical analyses and sampling frequency.

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ACRONYMS AND ABBREVIATIONS

ARAR	Applicable or Relevant and Appropriate Requirement
bgs	below ground surface
btoc	below top of casing
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	contaminant of concern
CPT	cone penetrometer testing
DCA	dichloroethane
DCE	dichloroethene
DO	dissolved oxygen
DTP	depth to product
DTW	depth to water
GPS	global positioning system
LNAPL	light, nonaqueous-phase liquid
MCL	maximum contamination level
MDEQ	Mississippi Department of Environmental Quality
MDL	method detection limit
MNA	monitored natural attenuation
MPE	multi-phase extraction
mS/cm	millisiemens per centimeter
msl	mean sea level
MS/MSD	matrix spike/matrix spike duplicate
N/A	not analyzed
NA	not applicable
NAD	North American Datum
NCBC	Naval Construction Battalion Center
ND	not detected
NTU	nephelometric turbidity units
ORP	oxidation-reduction potential
OWS	oil/water separator
PID	photoionization detector
PVC	polyvinyl chloride
RL	reporting limit
RPD	relative percent difference
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbons
TPH-DRO	total petroleum hydrocarbons quantified as diesel range organics
TPH-GRO	total petroleum hydrocarbons quantified as gasoline range organics

TRG	target remediation goal
U.S. EPA	United States Environmental Protection Agency
VOA	volatile organic analysis
VOC	volatile organic compound

1.0: INTRODUCTION

The Naval Construction Battalion Center (NCBC) Gulfport is located in the City of Gulfport, in Harrison County, in the southeast corner of the State of Mississippi (Figure 1-1). The location of Site 6 within the NCBC is shown in Figure 1-1. The site layout is shown in Figure 1-2. The site is bounded by Building 383 and Fifth Street to the north, Colby Avenue to the west, Simms Avenue to the east, and Building 391 to the south. Drainage ditches are located along the western and northern boundaries.

Site 6 is a former fire fighting training area that was operational from 1966 to 1975. Various flammable liquids were used in two burn pits at the site. Up to 500,000 gallons of waste oils, solvents, paint thinners, and cleaning compounds are suspected to have been burned in the pits. The pits were backfilled with sand and gravel when fire fighting training activities were concluded in 1975.

A light, non-aqueous phase liquid (LNAPL) plume was discovered in 1991. Removal of this LNAPL was initiated as part of the Navy's Installation Restoration Program under a CERCLA non-time critical removal action. The goal of this source removal action was to reduce the LNAPL, which served as a source of contamination to the groundwater, to the maximum extent practicable. The LNAPL was initially treated using an interceptor trench and recovery system. This system reduced the thickness of LNAPL in site wells by about half; however, after about 4 years of operation, continued recovery of LNAPL became impractical using this technology. The Navy contracted Battelle to install and operate an aggressive multi-phase extraction (MPE) to facilitate the removal of the remaining LNAPL. The MPE system was in operation from November 1, 2001, through October 26, 2004, during which 2,330 gallons of LNAPL were recovered.

The MPE system was shut down in October because the rate of LNAPL recovery decreased to only a couple of gallons per day. Groundwater monitoring, performed semiannually, was initiated in March 2004 to collect necessary data to demonstrate that the contaminants of concern (COCs) in the groundwater comply with Applicable or Relevant and Appropriate Requirements (ARARs) as required by CERCLA. Monitoring data were compared to the Federal maximum contaminant levels (MCLs) to evaluate compliance with Federal regulations. In addition, the State of Mississippi Brownfields Voluntary Cleanup and Redevelopment Program Tier 1 target remediation goals (TRGs) were used to evaluate compliance with relevant State regulations.

Results of these activities are presented in this report. The specific objectives of this report are (1) *to document that source removal is complete and (2) to demonstrate that no further active groundwater remediation is necessary.* Product recovery results using the MPE system are presented in Section 2. This section documents that the LNAPL recovery has been achieved to the maximum extent practicable and describes the nature and extent of the LNAPL that is remaining at the site. Section 3 describes the results of the groundwater monitoring that have been performed and documents that the dissolved-phase plume has been significantly reduced and exhibits limited plume migration, and that, with the exception of TPH-DRO and naphthalene, the COCs are in compliance with site ARARs. Section 4 presents the results of the soil investigation. Section 5 provides conclusions and recommendations for future activities and the rational for no further remedial action.

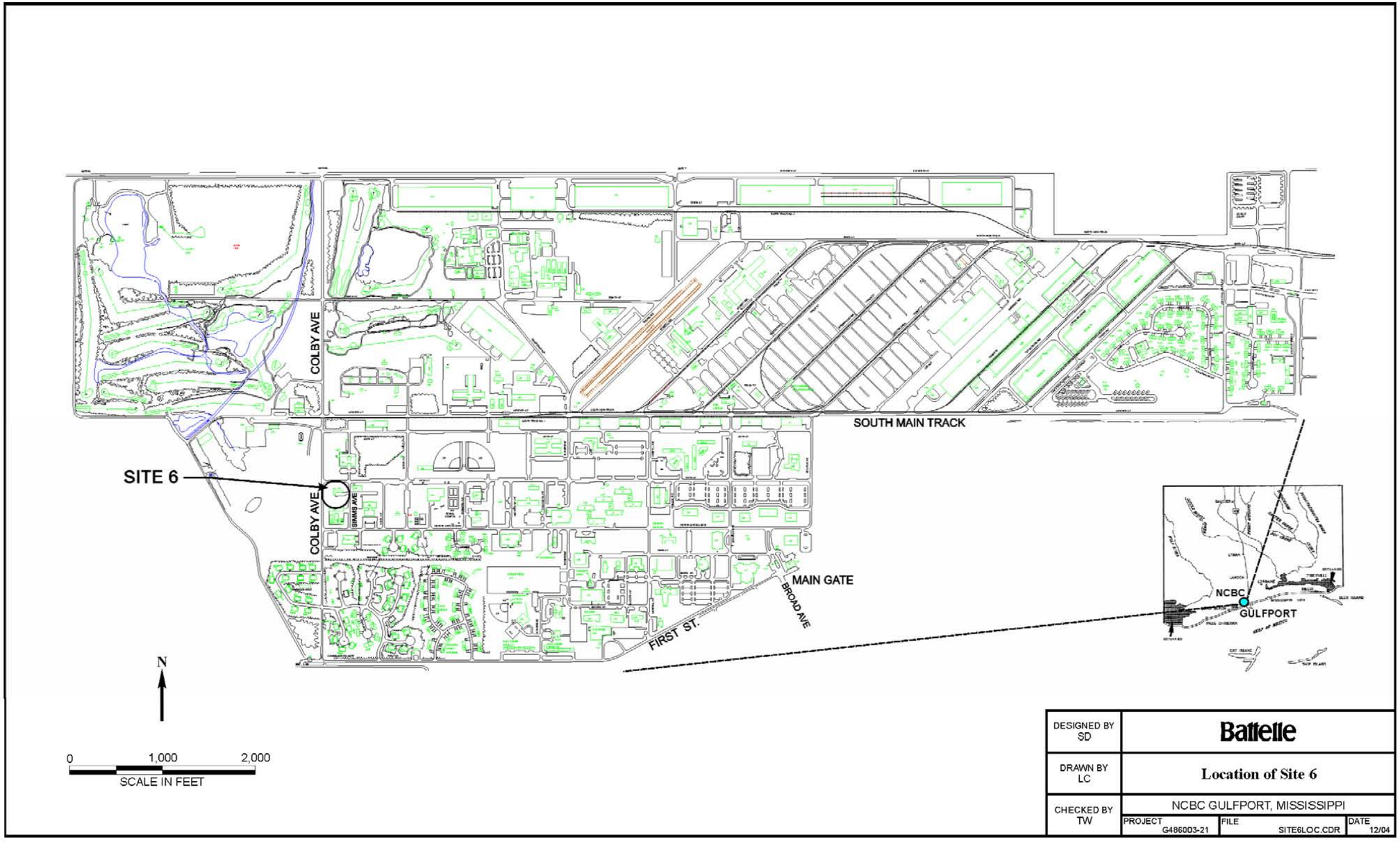


Figure 1-1. Location of Site 6

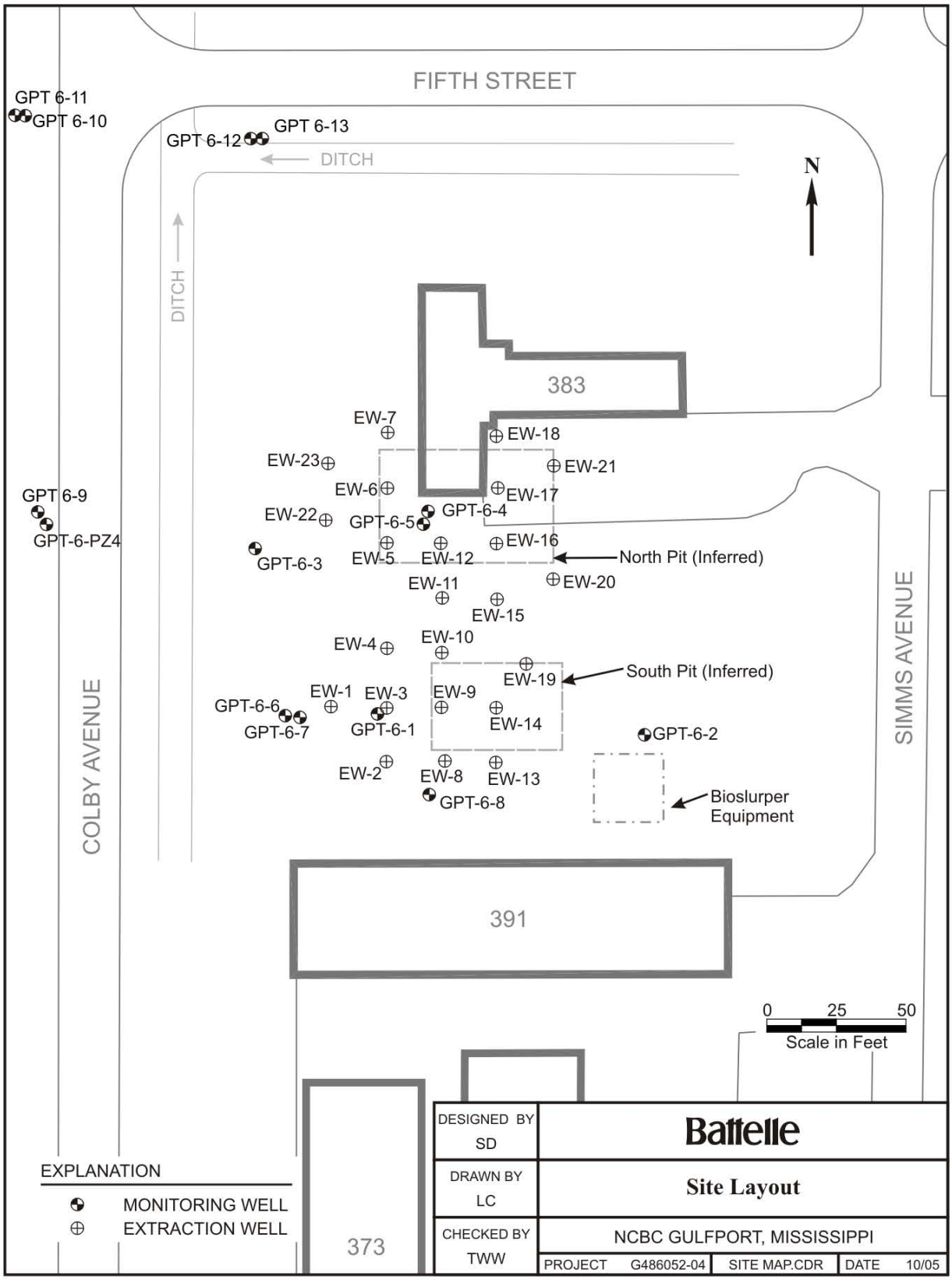


Figure 1-2. Site Layout

2.0: EVALUATION OF HYDROCARBON RECOVERY

The recovery of LNAPL at Site 6 has been performed to the "maximum extent practicable" in accordance with Mississippi Department of Environmental Quality (MDEQ) regulations (MDEQ, 1989). Two remedial actions have been performed at the site. The first was the installation and operation of an interceptor recovery system, which was installed in 1995. The system included a recovery trench located east of the drainage ditch on the east side of Colby Avenue, equipped with three recovery wells and associated pumps. The aboveground treatment system included an oil/water separator (OWS), an oil storage tank, an air stripper, and associated pumps, blowers, and controls. The system was operated for approximately four years, until 1999. At this time, it was decided that the system was no longer an efficient or cost-effective method to recover the remaining LNAPL, and operation was discontinued. The average LNAPL thickness in the extraction wells decreased by 50% during the period of operation.

The second remedial action was to install and operate an MPE system for the purpose of recovering the remaining LNAPL to the "maximum extent practicable" in accordance with MDEQ regulations. MPE systems are designed to aggressively recover hydrocarbons in the form of LNAPL, remove TPH dissolved and/or emulsified in the groundwater, and remove the portion in the vadose zone through soil vapor extraction.

The installation and startup of the MPE system were completed at the end of October 2001. The system operated from November 1, 2001, through October 26, 2004, during which the system operated 14,900 hours and recovered 2,330 gallons of LNAPL. During the first three months of operation, recovery of LNAPL averaged approximately 300 gal/month. However, a significant decrease in recovery was observed over time. In order to improve recovery, six additional extraction wells were installed during April 2002. Also, because it was observed that the recovery of LNAPL was greatest during periods of low water table elevation, beginning November 2002, the system was only operated about nine months each year, corresponding to the drier season. Although these activities did result in the improved recovery of LNAPL, the rate of recovery continued to decrease to only a few gallons per day during the subsequent months of operation. Therefore, a decision was made to discontinue operation of the system. The system has remained off since October 26, 2004.

This section demonstrates that the LNAPL has been recovered to the maximum extent practicable by presenting the hydrocarbon recovery results, combined with an analysis of the LNAPL that remains at the site, along with the cost incurred to recover these hydrocarbons.

2.1 Hydrocarbon Recovery

The mass of hydrocarbons removed as LNAPL as well as in the aqueous and vapor streams are regularly monitored and are presented in Figure 2-1. During the three years of operation of the MPE system, 2,330 gallons of LNAPL were recovered. As shown on the figure, LNAPL recovery decreased significantly after the first few months of operation as the majority of recoverable LNAPL was removed from the site. The system was shut down for periods during times of high groundwater table elevation, which tends to inhibit LNAPL recovery. During these extended periods of shutdown, the wells were monitored to determine if recharge of LNAPL was occurring. As can be seen from Figure 2-1, there was an initial spike in recovery immediately after each system was restarted; however, within a couple of weeks of startup, recovery returned to a level at which it was no longer cost-effective to continue operation.

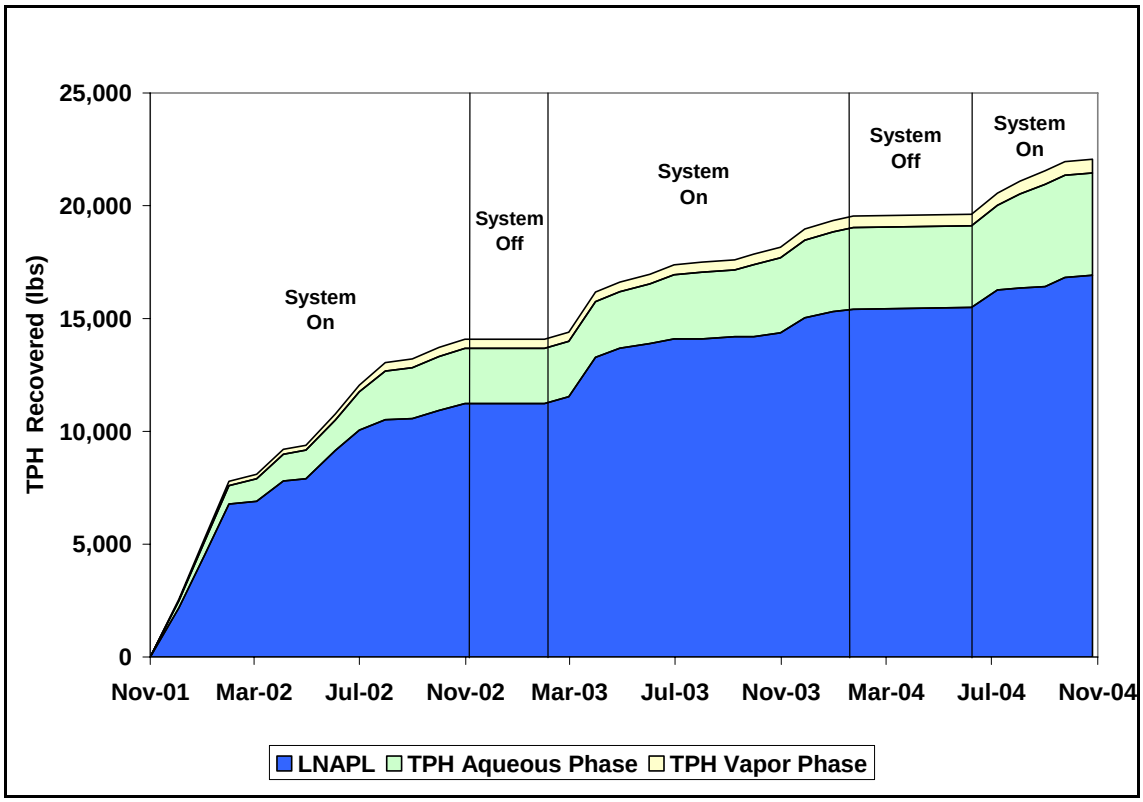


Figure 2-1. Cumulative Mass of Hydrocarbons Removed During Multi-Phase Extraction

In addition to the volume of free-phase LNAPL, the mass of dissolved/emulsified petroleum hydrocarbons in the aqueous stream and the mass of petroleum hydrocarbons recovered in the off-gas were calculated and are presented in Figure 2-1. An additional 707 gallons (5,130 lb) of hydrocarbons, representing about 23% of the total hydrocarbons recovered, were removed in the vapor and aqueous phases.

2.2 Recovery Cost

Cost is a factor in technical practicability. Although it is possible that low amounts of LNAPL would be recovered if operation of the system was continued, it would not be cost-effective. An average cost per gallon of LNAPL was calculated on a semiannual basis (excluding times during which the system was shut down) and plotted in Figure 2-2. The cumulative volume of LNAPL recovered on a quarterly basis also is included on this graph, which shows the correlation between LNAPL recovery and unit cost. The costs shown in Figure 2-2 ranged from $58 to $254 per gallon of LNAPL recovered, exhibiting an exponentially increasing trend as the recovery of LNAPL decreases. This graph predicts that if operation were to continue, a significant increase in unit cost would occur as less and less LNAPL is recovered. The cost per gallon of LNAPL recovered was correlated with the monthly LNAPL recovery rate (gallons per day) and is plotted in Figure 2-3. Again, an exponentially increasing trend is observed as the LNAPL recovery rate decreases to zero. When the LNAPL recovery rate is less than two gallons per day, the unit cost quickly increases from a little less than $200 per gallon to over $1,000 per gallon of LNAPL recovered.

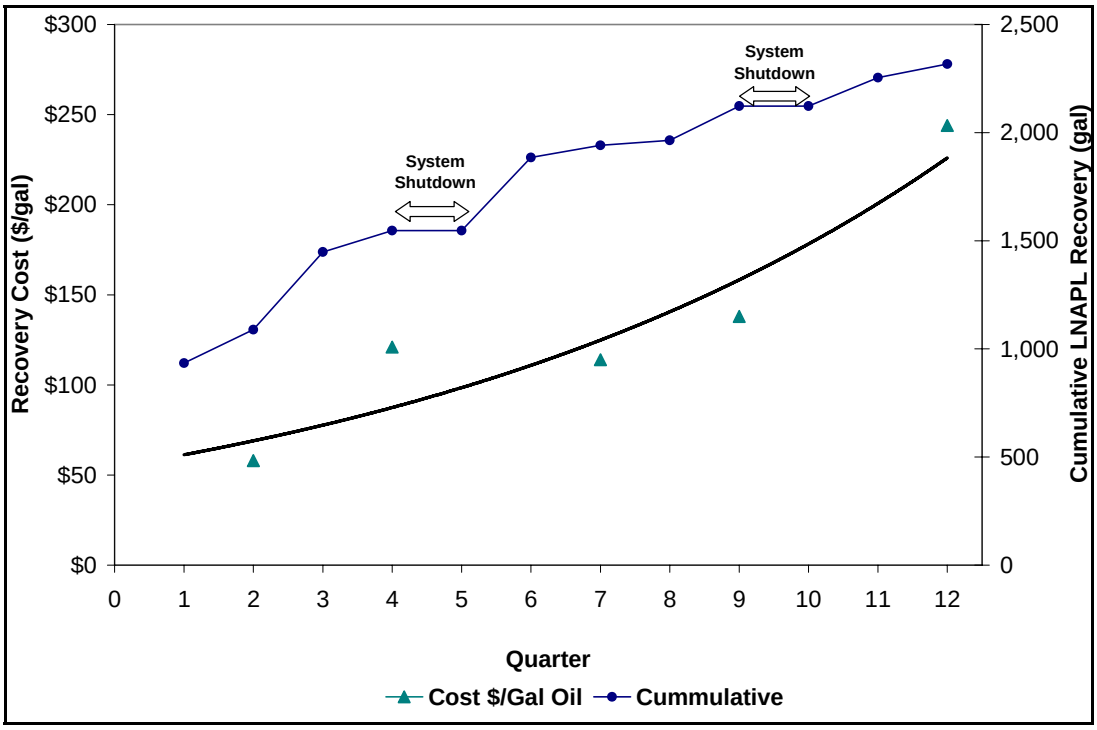


Figure 2-2. Cost per Gallon of LNAPL Recovered Versus Operating Time

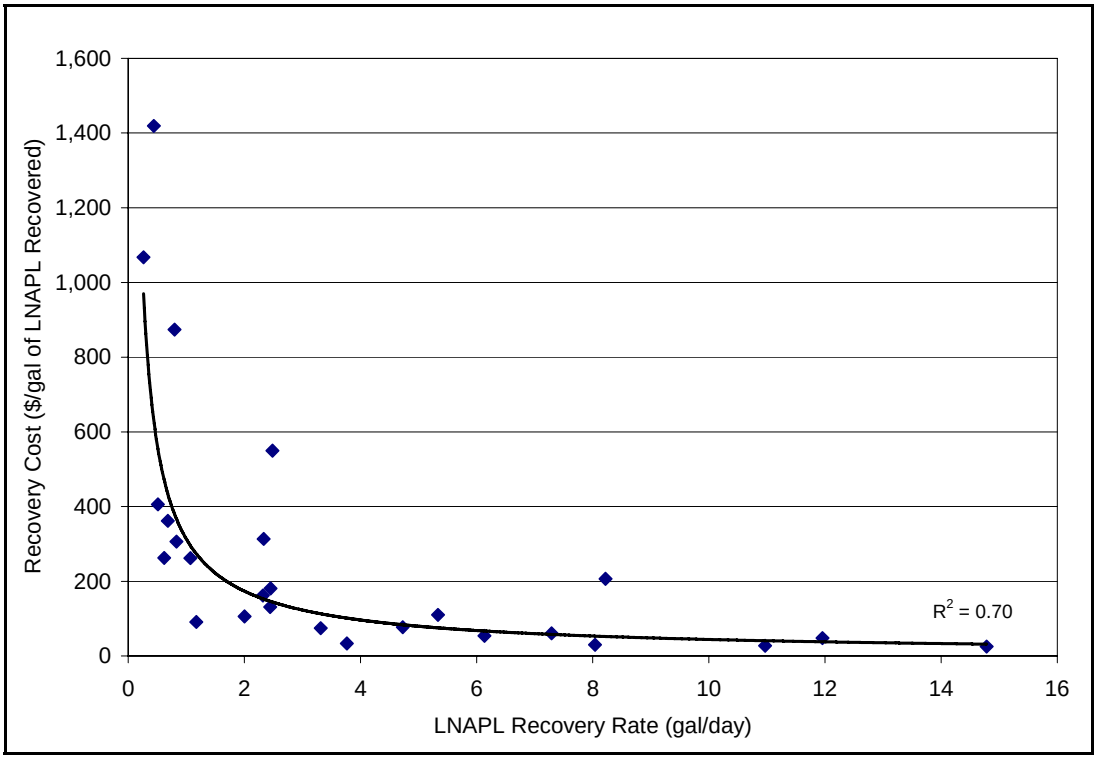


Figure 2-3. Cost per Gallon LNAPL Recovered Versus Recovery Rate

2.3 LNAPL Thickness Monitoring

Groundwater level and product thickness were measured frequently from the extraction wells throughout MPE and subsequent long-term groundwater monitoring. The thickness of LNAPL in wells was monitored to track the effectiveness of removal activities and monitor changes in groundwater elevation.

Table 2-1 presents LNAPL thicknesses measured between July 2006 and September 2006, almost two years after discontinuing operation of the MPE system. Graphs showing LNAPL thickness and groundwater elevation measured in extraction wells EW-1 through EW-23 and monitoring wells GPT-6-1 through GPT-6-8 over time are included as Attachment 1. During operation of the MPE system, the appearance of LNAPL was sporadic; for example, LNAPL observed in a particular well during one month would not be observed in the well during the next monthly measurement. Also, during times of high water table elevations, the LNAPL thickness decreased in the wells. Fluctuations of the water table are smearing a few inches of LNAPL over 5 feet, thus allowing slight amounts of LNAPL to appear and disappear. Under these conditions, horizontal movement of LNAPL will not occur, and recovery of LNAPL will be negligible.

Figures 2-4 through 2-7 present a series of LNAPL plume maps before and after MPE. As mentioned above, the LNAPL thickness has decreased during operation in many of the wells located at the site. However, some rebound has been observed since shutting the system down. A visual analysis of these plume maps indicates that the size and shape of the LNAPL plume has not changed significantly in recent monitoring events, which indicates that LNAPL is not migrating offsite. After almost two years following shutdown of the system, LNAPL is not present in either GPT-6-6 or GPT-6-3, the two wells located closest to the ditch, and in the majority of the extraction wells located around the LNAPL plume.

Table 2-1. Average LNAPL Thickness Measured in Each Well During the Past Two Months (August and September 2006) of Post-Operation Monitoring

Well ID	8/16/2006	8/29/2006	9/16/2006	10/02/2006	Average Thickness in Well (ft)
EW-1	0.00	0.00	0.00	0.01	**0.00**
EW-2	0.00	0.00	0.00	0.00	**0.00**
EW-3	0.00	0.00	0.00	0.00	**0.00**
EW-4	0.00	0.00	0.00	0.00	**0.00**
EW-5	0.00	0.00	0.00	0.00	**0.00**
EW-6	0.12	0.04	0.10	0.12	**0.10**
EW-7	0.00	0.00	0.00	0.00	**0.00**
EW-8	0.00	0.00	0.00	0.00	**0.00**
EW-9	0.00	0.00	0.00	0.00	**0.00**
EW-10	0.00	0.00	0.00	0.00	**0.00**
EW-11	0.00	0.00	0.00	0.00	**0.00**
EW-12	0.00	0.00	0.00	0.00	**0.00**
EW-13	0.00	0.00	0.00	0.00	**0.00**
EW-14	0.00	0.00	0.01	0.10	**0.03**
EW-15	0.64	0.67	0.70	0.76	**0.69**
EW-16	0.00	0.00	0.00	0.00	**0.00**
EW-17	0.00	0.00	0.00	0.00	**0.00**
EW-18	0.00	0.00	0.00	0.00	**0.00**
EW-19	0.88	1.02	0.06	0.01	**0.49**
EW-20	0.00	0.00	0.00	0.00	**0.00**
EW-21	0.00	0.00	0.00	0.00	**0.00**
EW-22	0.00	0.00	0.00	0.00	**0.00**
EW-23	0.00	0.00	0.00	0.00	**0.00**
GPT-6-1	0.00	NM	0.00	0.00	**0.00**
GPT-6-2	0.00	0.00	0.00	0.00	**0.00**
GPT-6-3	0.00	0.00	0.00	0.00	**0.00**
GPT-6-4	0.00	0.00	0.00	0.00	**0.00**
GPT-6-5	0.00	0.00	0.00	0.00	**0.00**
GPT-6-6	0.00	0.00	0.00	0.00	**0.00**
GPT-6-7	0.00	NM	0.00	0.00	**0.00**
GPT-6-8	0.00	0.00	0.00	0.00	**0.00**
Site Average	**0.05**	**0.06**	**0.03**	**0.03**	**0.04**

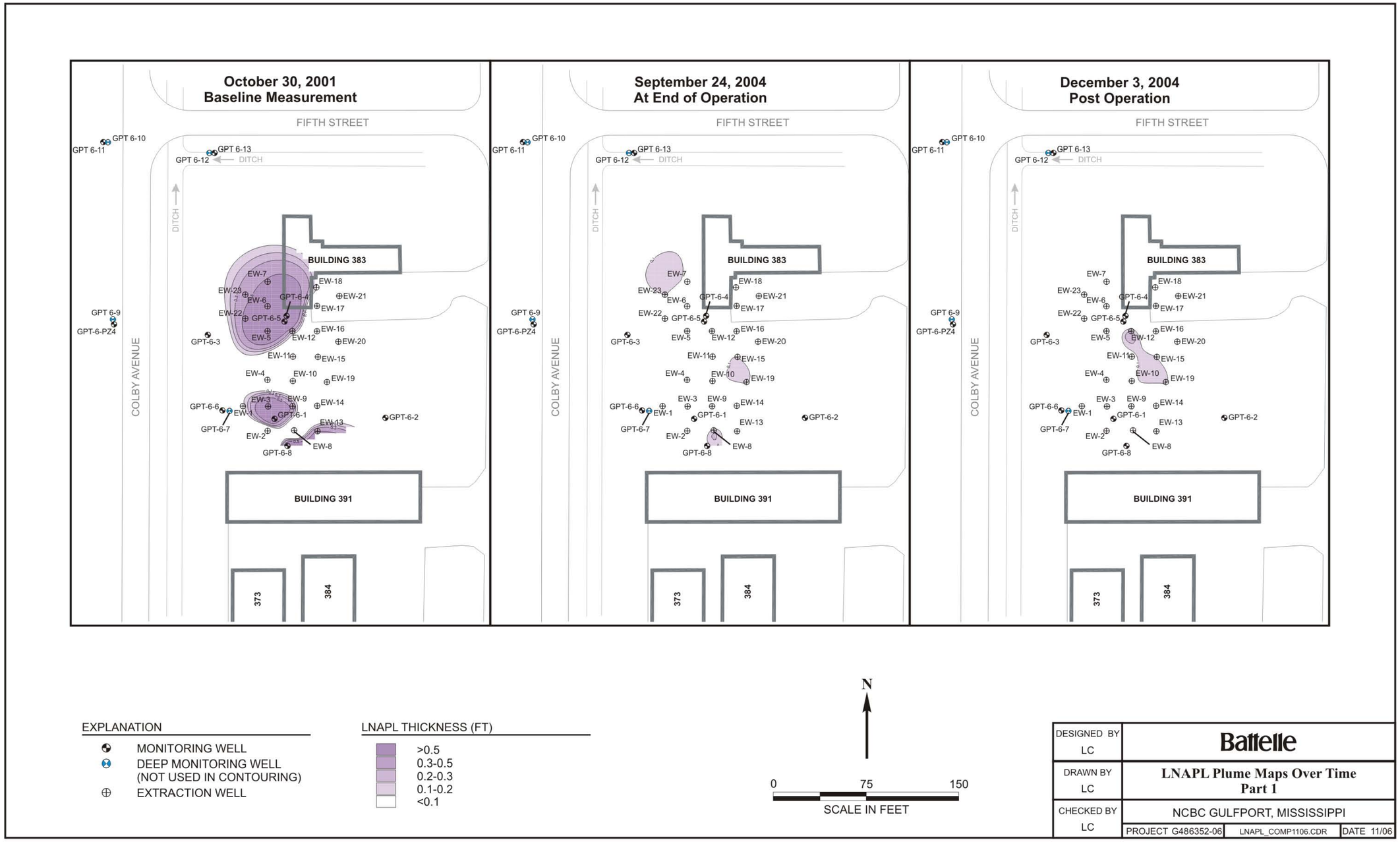
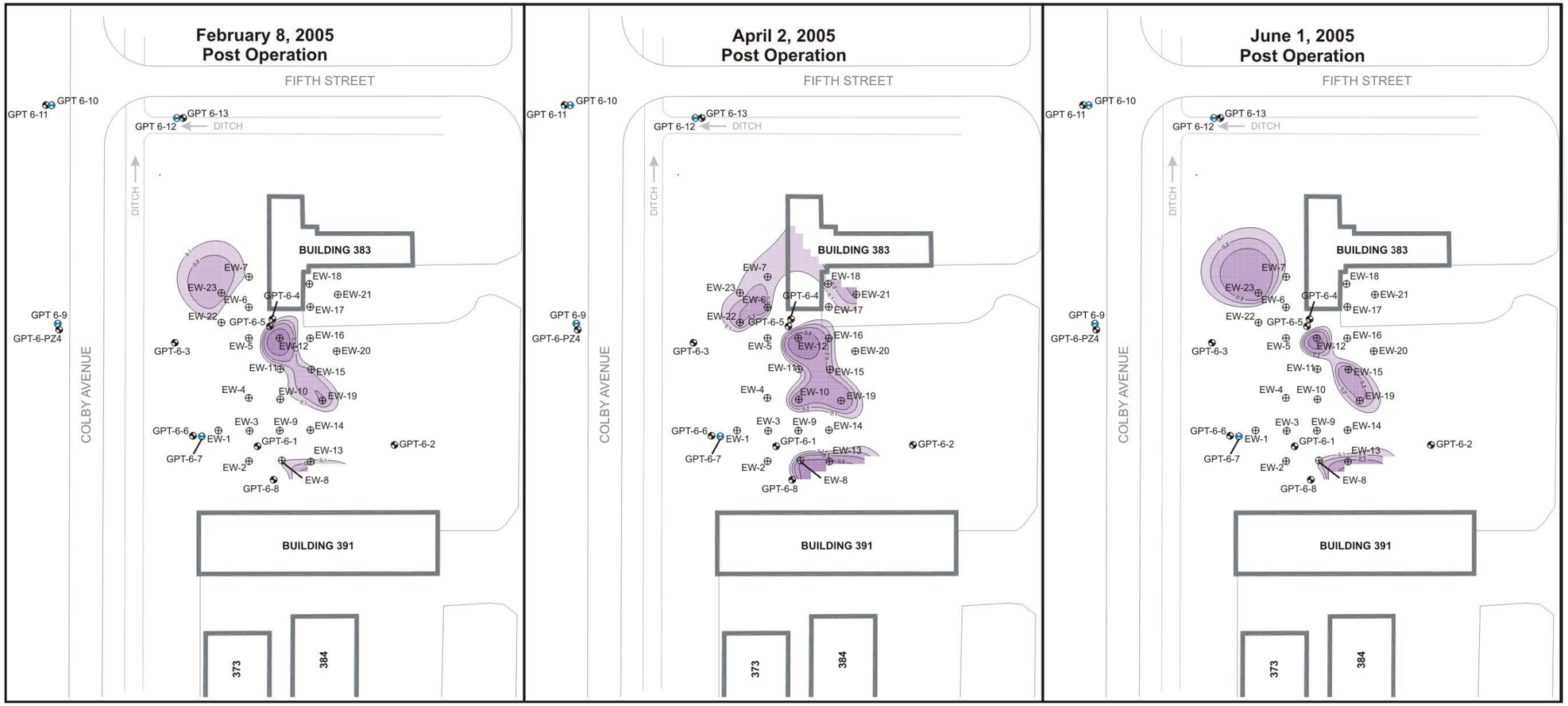


Figure 2-4. LNAPL Plume Maps Generated From Time Series Data Part 1



EXPLANATION

- MONITORING WELL
- DEEP MONITORING WELL (NOT USED IN CONTOURING)
- EXTRACTION WELL

LNAPL THICKNESS (FT)

- >0.5
- 0.3-0.5
- 0.2-0.3
- 0.1-0.2
- <0.1

N

0 75 150

SCALE IN FEET

DESIGNED BY LC	Battelle
DRAWN BY LC	LNAPL Plume Maps Over Time Part 2
CHECKED BY LC	NCBC GULFPORT, MISSISSIPPI
PROJECT G486352-06	LNAPL_COMP1106.CDR	DATE 11/06

Figure 2-5. LNAPL Plume Maps Generated From Time Series Data Part 2

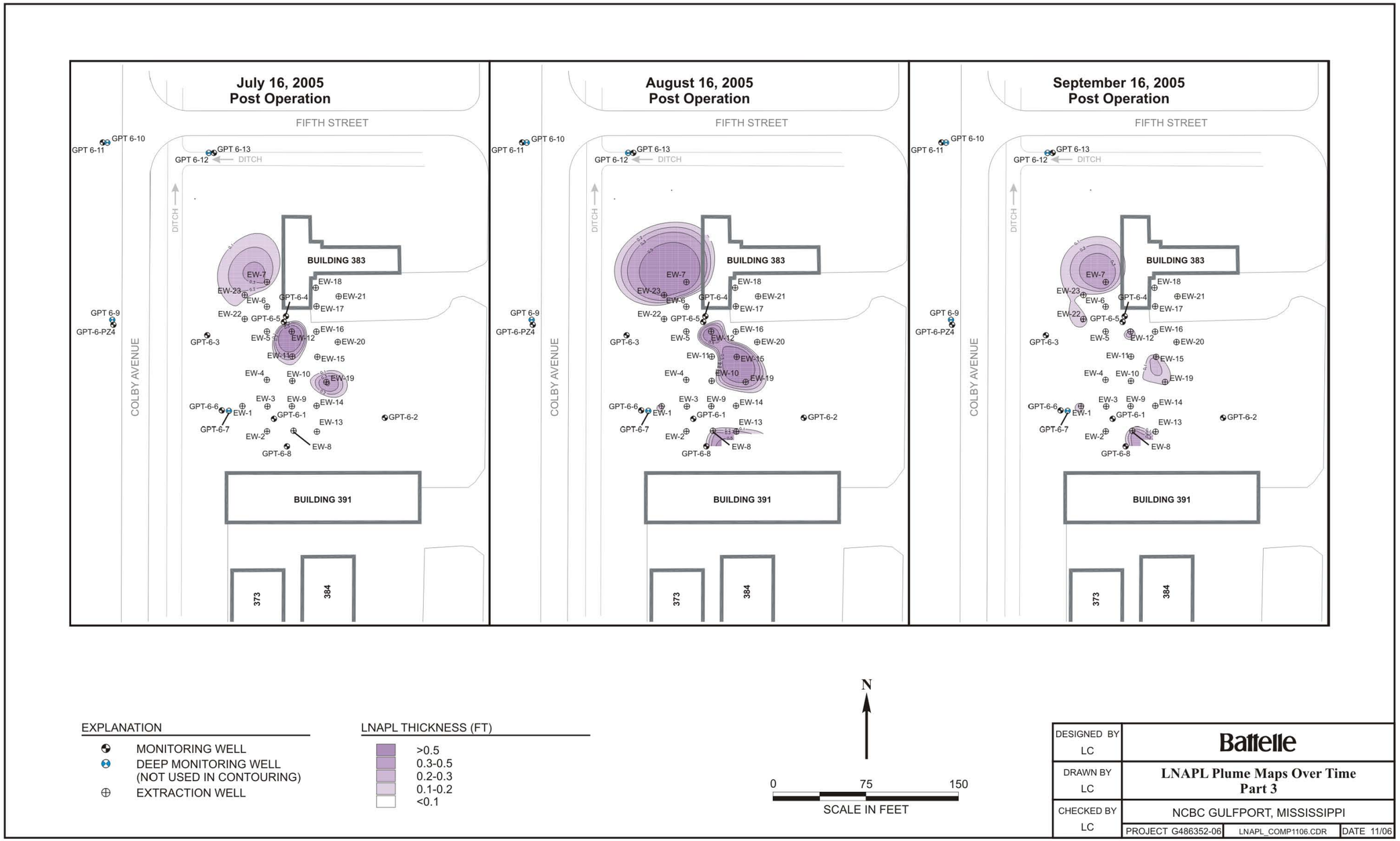
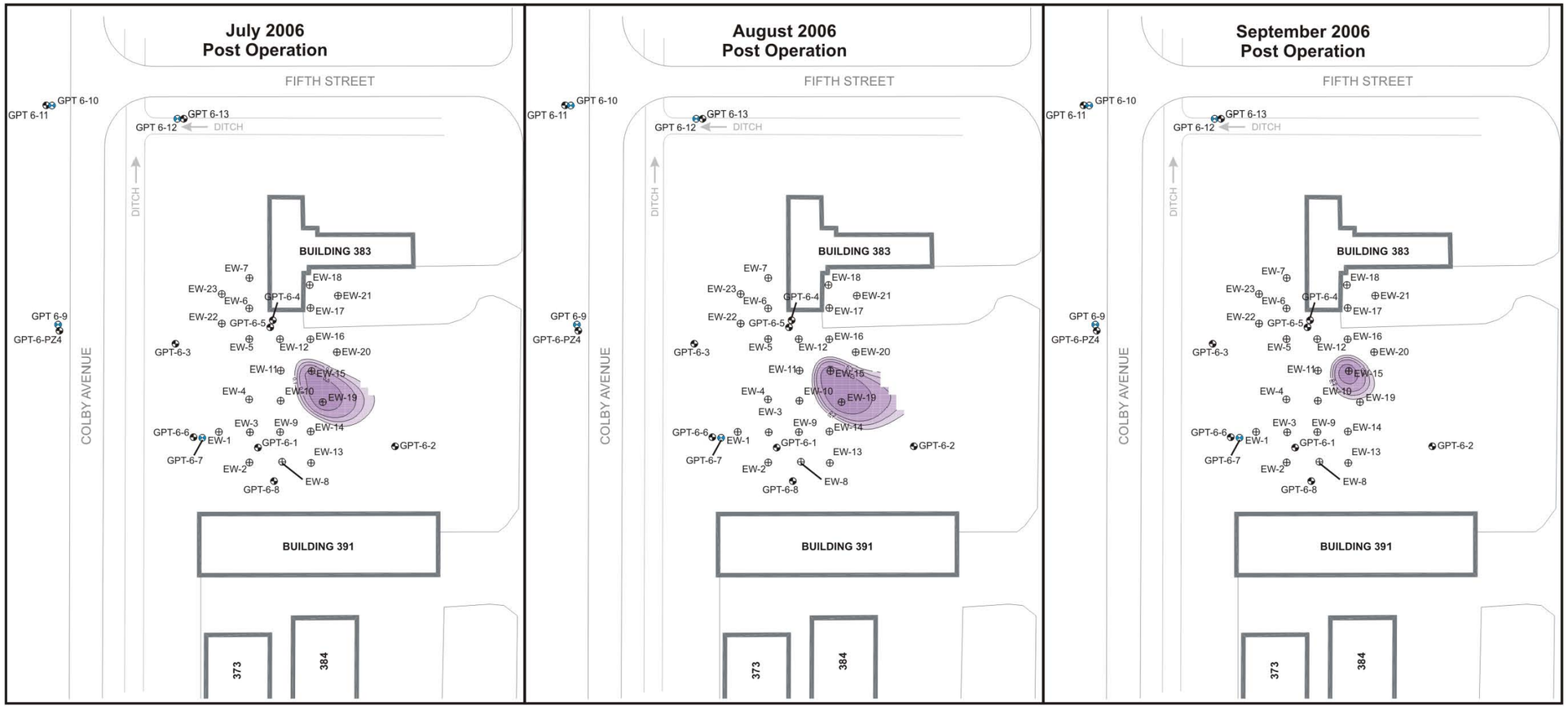


Figure 2-6. LNAPL Plume Maps Generated From Time Series Data Part 3



EXPLANATION

- MONITORING WELL
- DEEP MONITORING WELL (NOT USED IN CONTOURING)
- EXTRACTION WELL

LNAPL THICKNESS (FT)

- >0.5
- 0.3-0.5
- 0.2-0.3
- 0.1-0.2
- <0.1

N

0 75 150

SCALE IN FEET

DESIGNED BY LC	Battelle
DRAWN BY LC	LNAPL Plume Maps Over Time Part 4
CHECKED BY LC	NCBC GULFPORT, MISSISSIPPI
	PROJECT G486352-06 · LNAPL_COMP1106.CDR · DATE 11/06

Figure 2-7. LNAPL Plume Maps Generated From Time Series Data Part 4

3.0: GROUNDWATER MONITORING

Groundwater monitoring was performed to characterize the nature and extent of dissolved-phase contamination and to evaluate the feasibility of natural attenuation to address it. An initial investigation was performed in March 2004, during which the dissolved-phase plume was delineated. The results of the investigation have been presented in detail in the dissolved-phase plume delineation report for Site 6 (Battelle, 2004a). During this field investigation, COCs in the source area were identified by collecting groundwater samples from the site monitoring wells and collecting groundwater samples from temporary direct-push locations both upgradient and downgradient of the LNAPL plume for VOC analysis following U.S. EPA Method 8260. Cone penetrometer testing (CPT) and soil sample collection using a Geoprobe® also was performed to collect in situ lithologic information across the site and to determine the depth to the silty-clay unit, verifying its presence.

The results of the March 2004 investigation indicated that the silty-clay layer is continuous across the site and occurs approximately 26 to 29 ft bgs. The analytical results were compared to the Federal MCLs and the Mississippi Tier 1 TRGs. The majority of the groundwater samples collected with the Geoprobe did not contain detectable concentrations of VOCs, indicating little movement of contaminants in groundwater. However, elevated concentrations of 1,1-DCE were detected in one Geoprobe sampling location downgradient of the free-phase LNAPL and in monitoring well GPT-6-4, which is located in the source area. Vinyl chloride at levels above its Federal MCL/Tier 1 TRG also occurred in monitoring well GPT-6-4. Naphthalene was detected above the Mississippi Tier 1 TRG in site monitoring wells GPT-6-6 and GPT-6-8 and TPH-DRO were detected above the Mississippi Tier 1 TRG in site monitoring wells GPT-6-1, GPT-6-4, and GPT-6-8. The investigation concluded that the dissolved-phase contaminant plume was limited in size and made recommendations for installing additional monitoring wells downgradient from the site to confirm that dissolved-phase contaminants were not migrating off-site (Battelle, 2004a). The locations of these wells (GPT-6-9, GPT-6-10, GPT-6-11, GPT-6-12, and GPT-6-13) are shown on Figure 3-1.

Three groundwater sampling events have taken place since the March 2004 investigation. The first occurred in October 2004, shortly before the operation of the MPE system ended. The second took place in February 2005, approximately three months following shutdown of the MPE system. The most recent event took place six months later in August 2005. Groundwater samples were collected from all Site 6 monitoring wells and analyzed for VOCs by U.S. EPA Method 8260, SVOCs by U.S. EPA Method 8270, and TPH by U.S. EPA Method 8015. Groundwater samples also were analyzed for natural attenuation indicator parameters, including alkalinity, ethene, ethane, methane, nitrate, sulfate, ferrous iron, manganese, and sulfide.

The results of the October 2004 event were presented in the groundwater monitoring report prepared for the October 2004 event (Battelle, 2004b). GPT-6-4 was the only well found to have contaminants exceeding the Federal MCLs or Mississippi Tier 1 TRGs. This section describes the results of the groundwater sampling that took place in February and August 2005. Results of the previous investigations are presented for comparison to evaluate changes in contaminant concentrations over time.

3.1 Hydrogeologic Data

The groundwater elevations and LNAPL thicknesses measured in the monitoring wells on February 8, 2005, and August 23, 2005, are presented in Tables 3-1 and 3-2. These data were used to create potentiometric surface maps (Figures 3-1 and 3-2). As shown in these figures, the groundwater flow is generally to the west/northwest and the average hydraulic gradient is 0.003 ft/ft, which are similar to previous monitoring events.

Table 3-1. Groundwater Elevations and LNAPL Thicknesses in Site 6 Monitoring Wells Measured on February 8, 2005

Well ID	Top of Casing Elevation (ft msl)	Screen Interval (ft bgs)	DTP (ft btoc)	DTW (ft btoc)	Groundwater Elevation (ft msl)	Groundwater Elevation [(a)] (ft msl)	LNAPL Thickness (ft)
EW-1	29.60	5-15	5.93	5.93	23.67	23.67	0.00
EW-2	29.36	5-15	5.38	5.38	23.98	23.98	0.00
EW-3	29.68	5-15	5.67	5.67	24.01	24.01	0.00
EW-4	29.96	5-15	5.95	5.95	24.01	24.01	0.00
EW-5	29.72	5-15	5.75	5.75	23.97	23.97	0.00
EW-6	29.95	5-15	5.97	5.97	23.98	23.98	0.00
EW-7	30.15	5-15	6.18	6.22	23.97	23.96	0.04
EW-8	29.51	5-15	5.38	5.45	24.13	24.12	0.07
EW-9	29.73	5-15	5.57	5.57	24.16	24.16	0.00
EW-10	29.91	5-15	5.82	5.84	24.09	24.09	0.02
EW-11	29.81	5-15	5.78	5.8	24.03	24.03	0.02
EW-12	30.09	5-15	5.93	6.89	24.16	23.98	0.96
EW-13	29.79	5-15	5.58	5.73	24.21	24.18	0.15
EW-14	29.52	5-15	5.34	5.34	24.18	24.18	0.00
EW-15	29.72	5-15	5.63	5.81	24.09	24.06	0.18
EW-16	29.84	5-15	5.73	5.73	24.11	24.11	0.00
EW-17	28.66	5-15	5.04	5.05	23.62	23.62	0.01
EW-18	28.82	5-15	4.79	4.79	24.03	24.03	0.00
EW-19	29.54	5-15	5.38	5.69	24.16	24.10	0.31
EW-20	29.79	5-15	5.65	5.65	24.14	24.14	0.00
EW-21	28.81	5-15	4.77	4.78	24.04	24.04	0.01
EW-22	29.05	5-15	5.06	5.07	23.99	23.99	0.01
EW-23	28.97	5-15	5.02	5.31	23.95	23.89	0.29
GPT-6-1	30.67	3-27.5	6.70	6.70	23.97	23.97	0.00
GPT-6-2	30.83	3-22	6.63	6.63	24.20	24.20	0.00
GPT-6-3	27.26	3-22	3.33	3.33	23.93	23.93	0.00
GPT-6-4	31.55	2.5-12.5	7.53	7.54	24.02	24.02	0.01
GPT-6-5	31.39	26.5-31.5	7.40	7.40	23.99	23.99	0.00
GPT-6-6	29.24	2.5-12.5	5.53	5.53	23.71	23.71	0.00
GPT-6-7	30.51	39.5 - 44.5	10.97	10.97	19.54	19.54	0.00
GPT-6-8	30.57	12.5-12.5	6.52	6.52	24.05	24.05	0.00
GPT-6-9	28.75	20-30	4.75	4.75	24.00	24.00	0.00
GPT-6-10	27.87	20-30	3.96	3.96	23.91	23.91	0.00
GPT-6-11	27.94	5-15	3.98	3.98	23.96	23.96	0.00
GPT-6-12	28.38	20-30	4.53	4.53	23.85	23.85	0.00
GPT-6-13	28.06	5-15	4.22	4.22	23.84	23.84	0.00
GPT-6-PZ4	28.59	5-15	4.93	4.93	23.66	23.66	0.00

(a) Corrected groundwater elevation = TOC elevation – ((1 - 0.81)*DTW + (0.81*DTP))
DTP = depth to product
DTW = depth to water
btoc = below top of casing

Table 3-2. Groundwater Elevations and LNAPL Thicknesses in Site 6 Monitoring Wells Measured on August 23, 2005

Well ID	Top of Casing Elevation (ft msl)	Screen Interval (ft bgs)	DTP (ft btoc)	DTW (ft btoc)	Groundwater Elevation (ft msl)	Groundwater Elevation [(a)] (ft msl)	LNAPL Thickness (ft)
EW-1	29.60	5-15	6.10	6.25	23.41	23.41	0.15
EW-2	29.36	5-15	--	5.85	28.19	28.19	0.00
EW-3	29.68	5-15	--	6.15	28.45	28.45	0.00
EW-4	29.96	5-15	--	6.45	28.67	28.67	0.00
EW-5	29.72	5-15	6.22	6.23	23.44	23.44	0.01
EW-6	29.95	5-15	--	6.45	28.66	28.66	0.00
EW-7	30.15	5-15	6.63	7.00	23.38	23.38	0.37
EW-8	29.51	5-15	5.86	6.02	23.56	23.56	0.16
EW-9	29.73	5-15	--	6.09	28.51	28.51	0.00
EW-10	29.91	5-15	6.25	6.42	23.56	23.56	0.17
EW-11	29.81	5-15	6.27	6.27	23.48	23.48	0.00
EW-12	30.09	5-15	6.50	6.73	23.48	23.48	0.23
EW-13	29.79	5-15	6.07	6.22	23.63	23.63	0.15
EW-14	29.52	5-15	5.82	5.83	23.64	23.64	0.01
EW-15	29.72	5-15	6.11	6.28	23.51	23.51	0.17
EW-16	29.84	5-15	6.27	6.28	23.51	23.51	0.01
EW-17	28.66	5-15	5.55	5.56	23.05	23.05	0.01
EW-18	28.82	5-15	--	5.31	27.76	27.76	0.00
EW-19	29.54	5-15	5.90	6.19	23.52	23.52	0.29
EW-20	29.79	5-15	--	6.14	28.56	28.56	0.00
EW-21	28.81	5-15	5.42	5.42	23.34	23.34	0.00
EW-22	29.05	5-15	5.52	5.54	23.47	23.47	0.02
EW-23	28.97	5-15	5.45	5.91	23.37	23.37	0.46
GPT-6-1	30.67	3-27.5	--	7.16	29.24	23.51	0.00
GPT-6-2	30.83	3-22	--	7.09	29.41	23.74	0.00
GPT-6-3	27.26	3-22	--	3.82	26.50	23.44	0.00
GPT-6-4	31.55	2.5-12.5	8.04	8.04	23.42	23.51	0.00
GPT-6-5	31.39	26.5-31.5	--	7.90	31.39	23.49	0.00
GPT-6-6	29.24	2.5-12.5	--	5.82	28.08	23.42	0.00
GPT-6-7	30.51	39.5 - 44.5	--	10.81	28.35	19.70	0.00
GPT-6-8	30.57	12.5-12.5	6.95	7.09	23.62	23.59	0.14
GPT-6-9	28.75	20-30	--	5.38	27.67	23.37	0.00
GPT-6-10	27.87	20-30	--	4.66	26.94	23.21	0.00
GPT-6-11	27.94	5-15	--	4.69	27.00	23.25	0.00
GPT-6-12	28.38	20-30	--	5.10	27.36	23.28	0.00
GPT-6-13	28.06	5-15	--	4.76	27.11	23.30	0.00
GPT-6-PZ4	28.59	5-15	--	8.56	26.88	20.03	0.00

(a) Corrected groundwater elevation = TOC elevation – ((1 - 0.81)*DTW + (0.81*DTP))
DTP = depth to product
DTW = depth to water
btoc = below top of casing

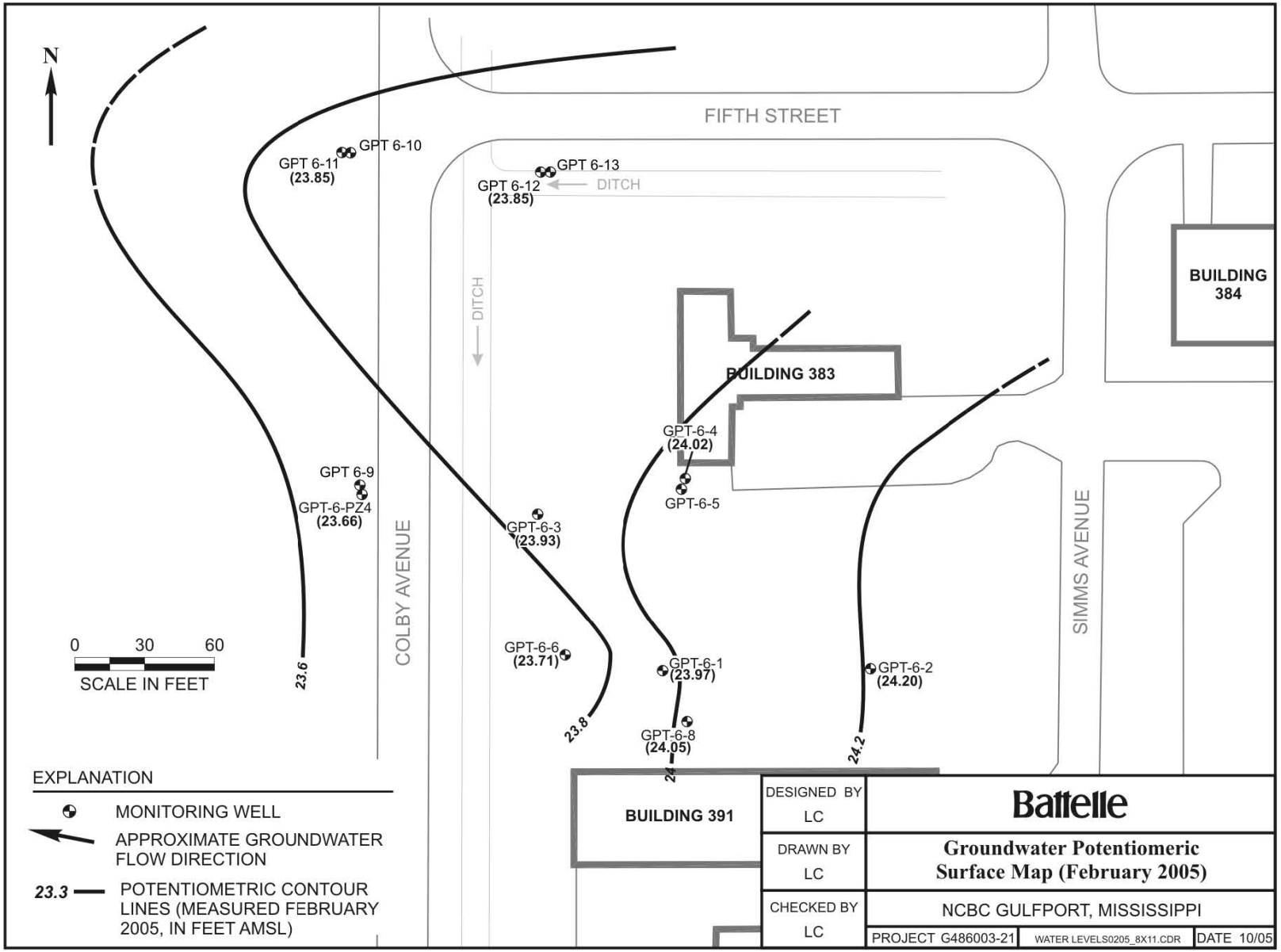


Figure 3-1. Groundwater Potentiometric Surface Map, February 2005

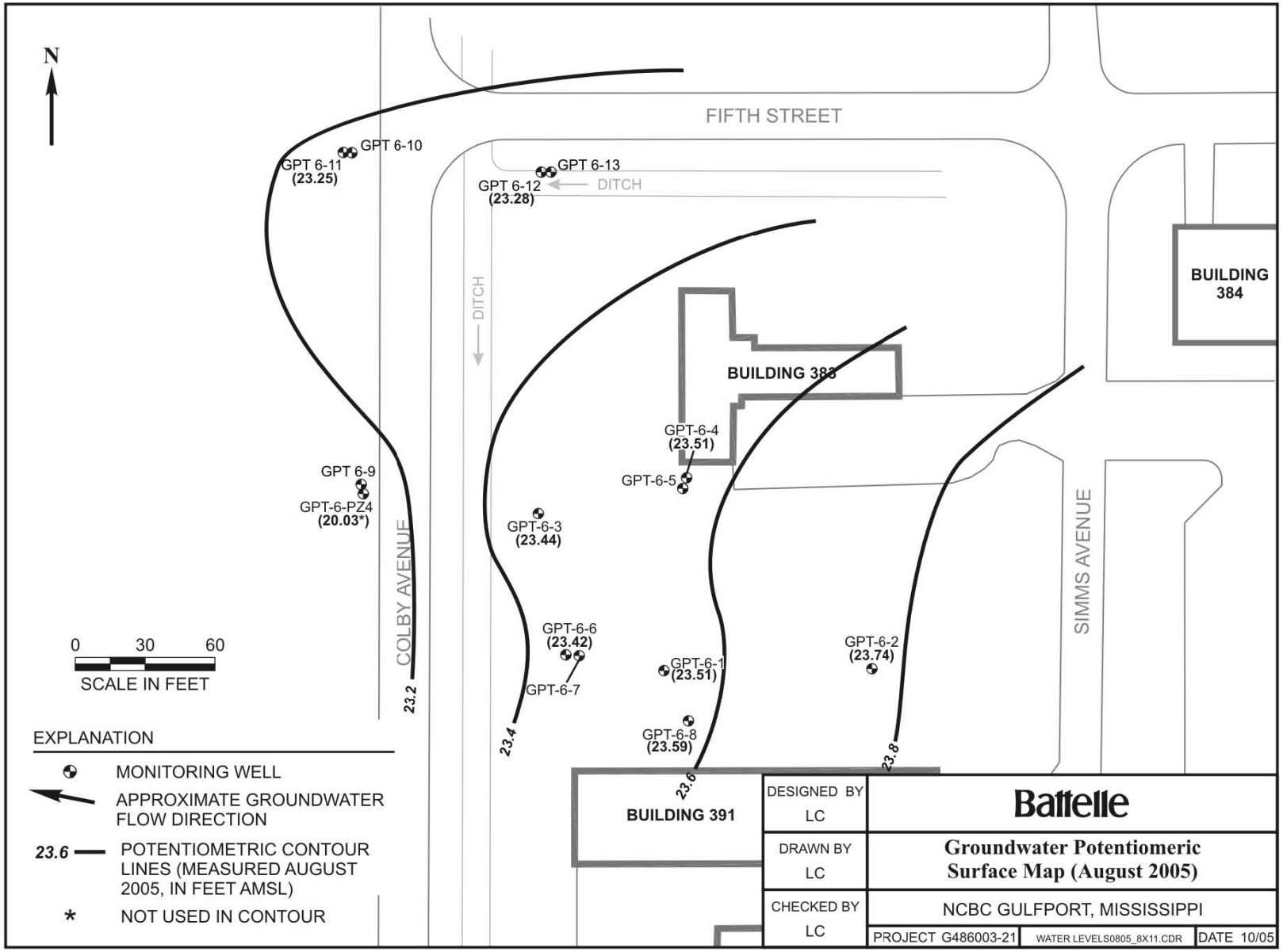


Figure 3-2. Groundwater Potentiometric Surface Map, August 2005

During the February 2005 event, elevations of the bottom slope of the ditch that borders the site were surveyed in State Plane coordinates North American Datum (NAD) of 1983 (1993 adjustment) by a Mississippi licensed surveyor. The purpose of the survey was to determine whether the water table could intersect the ditch during periods of high groundwater elevation. Groundwater levels measured in the monitoring well closest to the ditch located west of the site (i.e., GPT-6-3) show that the water table is occasionally higher than the toe of the ditch slope. However, LNAPL has never been observed to be present in the ditch during or subsequent to the operation of the MPE system.

3.2 Sampling Methods

On February 8 through 10, 2005, and August 23 through 25, 2005, groundwater samples were collected from all Site 6 groundwater monitoring wells and analyzed for VOCs by U.S. EPA Method 8260, SVOCs by U.S. EPA Method 8270, and TPH by U.S. EPA Method 8015. Groundwater samples also were analyzed for natural attenuation parameters, including alkalinity, ethene, ethane, methane, nitrate, sulfate, ferrous iron, manganese, and sulfide. In addition, samples also were collected for analysis of TPH quantified as gasoline range organics (GRO) (U.S. EPA Method 8015) and dissolved hydrogen (AM 19GA) during the February sampling event. For informational purposes, two LNAPL samples were collected at the site for analysis of VOCs (U.S.EPA Method 8260), SVOCs (U.S.EPA Method 8270), density (M2710F), viscosity (ASTM D445), and interfacial tension (ASTM 971). Laboratory analytical methods performed on groundwater and LNAPL samples are summarized in Table 3-3.

Table 3-3. Summary of Chemical Analyses and Laboratory Methods

Analyte	Laboratory Method	Sampling Bottles	Preservative	Special Instructions
VOC	8260B	40 mL VOA	HCl	No headspace
SVOC	8270C	1-Liter Amber	None	None
TPH-DRO	8015B	1-Liter Amber	None	None
TPH-GRO	8015B	40 mL VOA	HCl	No headspace
Ethene, Ethane, Methane	RSK-175	40 mL VOA	HCl	No headspace
Dissolved Hydrogen	AM 19GA	Vacuumed vial	None	20 mL of gas
Nitrate/Sulfate	9056	125-mL plastic	None	None
Ferrous Iron	3500	125-mL plastic	HNO_3	Filter sample
Manganese	6010B	125-mL plastic	HNO_3	Filter sample
Alkalinity	310.1	125-mL plastic	None	None
Sulfide	376.1	125-mL plastic	Zinc Acetate	None
LNAPL interfacial tension	ASTM D971	250-mL Amber	None	None
Kinematic Viscosity at 40°C	ASTM D445	250-mL Amber	None	None
Density	M2710F	250-mL Amber	None	None

VOA = volatile organic analysis

An oil-water interface probe was used to monitor depth to groundwater to the nearest 0.01 ft and to check for the presence of LNAPL. Water level and LNAPL measurements were taken from the top of casing.

Monitoring wells were sampled following water quality parameter stabilization. A peristaltic pump equipped with fresh polyethylene tubing was used to purge each well. If LNAPL was present in a monitoring well, a piece of new 1-inch-diameter polyvinyl chloride (PVC) pipe was placed down the well with the bottom end covered in plastic wrap. The sample was collected by placing the polyethylene

tubing down the PVC pipe and punching through the plastic wrap. During purging, in-line water quality parameters were monitored continuously in a flowthrough cell using a Horiba™ U-22. The water quality indicator parameters measured included temperature, pH, turbidity, conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Measurements were taken every three to five minutes.

Upon parameter stabilization, sampling was initiated by disconnecting or bypassing the in-line water quality parameter monitoring device. Simultaneously, the sample flowrate was adjusted to minimize aeration, bubble formation, turbulent filling of sample bottles or loss of volatiles due to extended residence time in tubing. A disposable, capsule-type groundwater filter was used to filter samples for ferrous iron and manganese analysis.

Laboratory samples were properly preserved, labeled, recorded on a chain-of-custody form, and placed in a cooler with ice for shipment. Samples were shipped to an off-site laboratory via overnight courier.

3.3 Chemicals of Concern in Groundwater

The groundwater analytical results for TPH and petroleum-related compounds for the two most recent events (February and August 2005) are summarized in Tables 3-4 and 3-5. Only chemicals that have been detected in at least one well has been included in the tables. The complete set of analytical data can be found in the analytical laboratory reports, which are included in Appendices A and B. The highest chemical concentrations appear in shallow wells GPT-6-1, GPT-6-4, GPT-6-6, and GPT-6-8, which have contained LNAPL in the past or are located immediately downgradient of wells that have historically contained LNAPL.

The analytical results were compared with the Federal MCLs. In addition, the analytical results were compared to the State of Mississippi Tier 1 TRGs. For COCs for which both Federal and State standards are available, the more stringent of the two ARARs was used to determine compliance.

Contaminants detected in the February and August 2005 sampling events include the following: VOCs (i.e., benzene; 2-butanone; *tert*-butylbenzene; chloroethane; 1,1-DCA [dichloroethane]; *cis*-1,1-DCE [dichloroethene]; 1,1-DCE; ethylbenzene; *p*-isopropyltoluene; isopropylbenzene; 4-methyl-2-pentanone; naphthalene; toluene; 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, trichloroethene [TCE]; vinyl chloride; *o*-xylene; and *m,p*-xylene), SVOCs (i.e., 2-methylnaphthalene; 2-methylphenol, 4-methylphenol, fluorene, phenanthrene, and phenol), TPH-GRO, and TPH-DRO. As expected, many of the VOCs and SVOCs that were observed in the groundwater samples also were observed in the LNAPL samples collected from extraction wells EW-12 and EW-19 (see Table 3-6 for the analytical results for LNAPL samples).

The contaminant concentrations measured during the February and August 2005 events were compared with historical data to evaluate changes over time. The following COCs have been detected above the Federal MCLs or Tier 1 TRGs at least once during the past four monitoring events (i.e., March 2004, October 2004, February 2005, and August 2005): TPH-DRO, naphthalene, 1,1-DCE;

Table 3-4. Chemical Data for Groundwater, February 2005

Parameter	Method	Unit	MDL	RL	Federal MCL	TIER 1 TRG[a]	GPT-6-1	GPT-6-2	GPT-6-3	GPT-6-4	GPT-6-5[b]	GPT-6-6	GPT-6-6 DUP	GPT-6-7[b]	GPT-6-8	GPT-6-9[b]	GPT-6-10[b]	GPT-6-11	GPT-6-12[b]	GPT-6-13	GPT-6-PZ4
Benzene	SW8260B	µg/L	0.2	1	5	5	ND	ND	ND	ND	ND	0.49 J	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	SW8260B	µg/L	5	15	NA	1910	22.8	ND	ND	ND	ND	ND	ND	ND	57.3	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	SW8260B	µg/L	0.3	1	NA	243	ND	ND	ND	ND	ND	ND	ND	ND	2.15	ND	ND	ND	ND	ND	ND
Chloroethane	SW8260B	µg/L	0.3	1	NA	3.64	ND	ND	ND	0.74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	SW8260B	µg/L	0.2	1	70	70	ND	ND	ND	ND	ND	2.4	2.62	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	SW8260B	µg/L	0.2	1	NA	798	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND
1,1-Dichloroethene	SW8260B	µg/L	0.2	1	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND
Ethylbenzene	SW8260B	µg/L	0.3	1	700	700	ND	ND	ND	ND	ND	1.33	1.41	ND	1.7	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	SW8260B	µg/L	0.3	1	NA	NA	ND	ND	ND	ND	ND	2.4	2.41	ND	2.53	ND	ND	ND	ND	ND	ND
Isopropylbenzene	SW8260B	µg/L	0.2	1	NA	679	ND	ND	ND	ND	ND	2.19	ND	ND	2.16	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	SW8260B	µg/L	5	15	NA	139	5.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	SW8260B	µg/L	5	15	NA	6.2	2 J	ND	ND	1.8 J	ND	**22.6**	**24.2**	1.2 J	**54.5**	ND	ND	ND	ND	ND	ND
n-Propylbenzene	SW8260B	µg/L	0.3	1	NA	243	ND	ND	ND	ND	ND	0.62 J	0.63 J	ND	0.53 J	ND	ND	ND	ND	ND	ND
Toluene	SW8260B	µg/L	0.6	2	1,000	1,000	ND	ND	ND	ND	ND	1.1 J	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	SW8260B	µg/L	1.5	5	NA	12.3	ND	ND	ND	1.9 J	ND	3.6 J	3.9 J	ND	8.88	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	SW8260B	µg/L	1.5	5	NA	12.3	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J	ND	ND	ND	ND	ND	ND
Trichloroethene	SW8260B	µg/L	0.6	2	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	SW8260B	µg/L	0.1	1	2	2	ND	ND	ND	0.51 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	SW8260B	µg/L	0.3	1	10,000	12,200	2.36	ND	ND	ND	ND	3.33	3.47	ND	8.77	ND	ND	ND	ND	ND	ND
m,p-Xylene	SW8260B	µg/L	0.6	2	10,000	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	SW8270C	µg/L	1	4	NA	3,650	1.2 J	ND	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	SW8270C	µg/L	2	4	NA	730	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	SW8270C	µg/L	1	4	NA	122	1.6 J	ND	ND	6.2	ND	10.6	12.4	1 J	34.6	ND	ND	ND	ND	ND	ND
2-Methylphenol	SW8270C	µg/L	1	4	NA	1,830	3.6 J	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	ND	ND	ND	ND
4-Methylphenol	SW8270C	µg/L	1	4	NA	183	78.4	ND	ND	ND	ND	3 J	4.6	1.2 J	27.2	ND	ND	ND	ND	ND	ND
Acenaphthene	SW8270C	µg/L	1	4	NA	365	ND	ND	ND	ND	ND	ND	1 J	ND	3.2 J	ND	ND	ND	ND	ND	ND
Fluorene	SW8270C	µg/L	1	4	NA	243	ND	ND	ND	1 J	ND	1 J	1.2 J	ND	3.2 J	ND	ND	ND	ND	ND	ND
Phenanthrene	SW8270C	µg/L	1	4	NA	1,100	ND	ND	ND	1.4 J	ND	ND	1 J	ND	3 J	ND	ND	ND	ND	ND	ND
Phenol	SW8270C	µg/L	2	4	NA	2,190	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH-GRO	M8015V	µg/L	60	200	NA	350	85 J	ND	ND	63 J	ND	140 J	150 J	ND	350	ND	ND	ND	ND	ND	ND
TPH-DRO	M8015D	µg/L	600	1,000	NA	650	**7,220**	UJ	ND	ND	UJ	**1,140**	**1,330**	ND	**11,600**	UJ	ND	ND	ND	ND	ND

(a) TIER 1 Target Remedial Goal, Mississippi Department of Environmental Quality. February 28, 2002.
(b) Well screened at deep interval
ND = not detected
UJ= Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
Bold font indicates that concentration exceeds the federal MCL or TIER 1 TRG.

Table 3-5. Chemical Data for Groundwater, August 2005

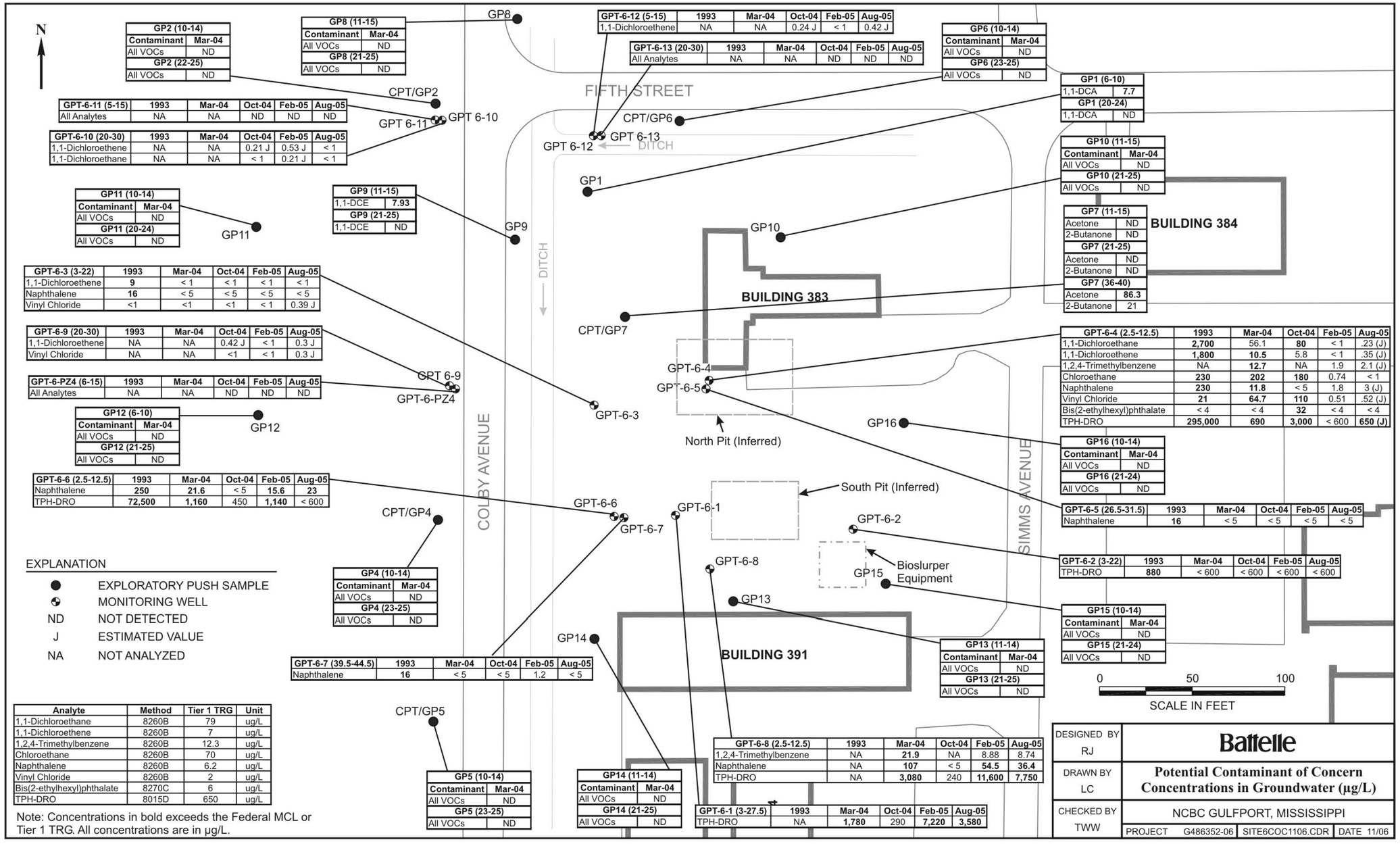
Parameter	Method	Unit	MDL	RL	Federal MCL	TIER 1 TRG[a]	GPT-6-1	GPT-6-2	GPT-6-3	GPT-6-4	GPT-6-4 DUP	GPT-6-5[b]	GPT-6-6	GPT-6-7[b]	GPT-6-8	GPT-6-9[b]	GPT-6-10[b]	GPT-6-11	GPT-6-12[b]	GPT-6-13	GPT-6-PZ4
Benzene	SW8260B	µg/L	0.2	1	5	5	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	SW8260B	µg/L	5	15	NA	1910	12 J	ND	ND	ND	ND	ND	ND	ND	26.9	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	SW8260B	µg/L	0.3	1	NA	243	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	SW8260B	µg/L	0.3	1	NA	3.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	SW8260B	µg/L	0.2	1	70	70	ND	ND	0.43 J	ND	ND	ND	4.15	ND	1.56	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	SW8260B	µg/L	0.2	1	NA	798	ND	ND	0.32 J	0.23 J	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	SW8260B	µg/L	0.2	1	7	7	ND	ND	ND	0.35 J	0.37 J	ND	ND	ND	ND	0.3 J	ND	ND	0.47 J	ND	ND
Ethylbenzene	SW8260B	µg/L	0.3	1	700	700	0.73 J	ND	ND	0.51 J	0.54 J	ND	1.66	ND	3.37	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	SW8260B	µg/L	0.3	1	NA	NA	0.35 J	ND	ND	0.33 J	0.34 J	ND	0.59 J	ND	0.7 J	ND	ND	ND	ND	ND	ND
Isopropylbenzene	SW8260B	µg/L	0.2	1	NA	679	ND	ND	ND	ND	ND	ND	0.27 J	ND	0.21 J	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	SW8260B	µg/L	5	15	NA	139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	SW8260B	µg/L	5	15	NA	6.2	8.2 J	ND	ND	ND	2.8 J	ND	**22.7**	ND	**36.4**	ND	ND	ND	ND	ND	ND
n-Propylbenzene	SW8260B	µg/L	0.3	1	NA	243	ND	ND	ND	ND	ND	ND	0.44 J	ND	0.36 J	ND	ND	ND	ND	ND	ND
Toluene	SW8260B	µg/L	0.6	2	1,000	1,000	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	SW8260B	µg/L	1.5	5	NA	12.3	2.9 J	ND	ND	2.1 J	2.1 J	ND	5.04	ND	8.74	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	SW8260B	µg/L	1.5	5	NA	12.3	2.1 J	ND	ND	ND	ND	ND	1.5 J	ND	6.08	ND	ND	ND	ND	ND	ND
Trichloroethene	SW8260B	µg/L	0.6	2	5	5	ND	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND
Vinyl Chloride	SW8260B	µg/L	0.1	1	2	2	ND	ND	0.39 J	0.52 J	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	SW8260B	µg/L	0.3	1	10,000	12,200	2.9	ND	ND	ND	ND	ND	2.63	0.41 J	12.6	ND	ND	ND	ND	ND	ND
m,p-Xylene	SW8260B	µg/L	0.6	2	10,000	NA	0.66 J	ND	ND	0.71 J	0.7 J	ND	4.14	ND	8.87	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	SW8270C	µg/L	1	4	NA	3,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	SW8270C	µg/L	2	4	NA	730	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	SW8270C	µg/L	1	4	NA	122	ND	ND	ND	ND	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	SW8270C	µg/L	1	4	NA	1,830	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	SW8270C	µg/L	1	4	NA	183	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	SW8270C	µg/L	1	4	NA	365	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	SW8270C	µg/L	1	4	NA	243	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	SW8270C	µg/L	1	4	NA	1,100	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	SW8270C	µg/L	2	4	NA	2,190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH-DRO	M8015D	mg/L	600	1,000	NA	650	**3,580**	ND	ND	650 J	**690** J	ND	ND	ND	**7,750**	ND	ND	ND	ND	ND	ND

(a) TIER 1 Target Remedial Goal, Mississippi Department of Environmental Quality. February 28, 2002.
(b) Well screened at deep interval
ND = not detected
UJ= Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
Bold font indicates that concentration exceeds the federal MCL or TIER 1 TRG.

Table 3-6. Analytical Results for LNAPL Samples Collected at Site 6[a]

Method	Analyte	Result 1	Result 2	MDL	Units
ASTM D445	Kinematic Viscosity at 40°C	19.6	27.5	0.1	cSt
M2710F	Density	0.756	0.701	0	SI
ASTM D 971	Interfacial Tension	16.85[b]	15.79	0	dynes/cm
SW8260B	1,2,4-Trimethylbenzene	1,540	32,200	100	µg/Kg
SW8260B	1,3,5-Trimethylbenzene	5,100	15,900	100	µg/Kg
SW8260B	Benzene	ND	774	100	µg/Kg
SW8260B	Ethylbenzene	340 (J)	5,430	100	µg/Kg
SW8260B	Isopropylbenzene	ND	1,690	100	µg/Kg
SW8260B	*m,p*-Xylene	1120	17,800	100	µg/Kg
SW8260B	*n*-Butylbenzene	3120	4,370	100	µg/Kg
SW8260B	*n*-Propylbenzene	220 (J)	5,330	100	µg/Kg
SW8260B	Naphthalene	2,300	16,400	500	µg/Kg
SW8260B	*o*-Xylene	1540	9,550	100	µg/Kg
SW8260B	*p*-Isopropyltoluene	2270	3,340	100	µg/Kg
SW8260B	*sec*-Butylbenzene	220 (J)	2,440	100	µg/Kg
SW8260B	*tert*-Butylbenzene	1,020	1,250	100	µg/Kg
SW8260B	Tetrachloroethene	740	ND	100	µg/Kg
SW8260B	Toluene	574	8,490	200	µg/Kg
SW8260B	Trichloroethene	ND	1,240	100	µg/Kg
SW8270C	2-Methylnaphthalene	ND	220 (J)	20	mg/Kg
SW8270C	Acenaphthene	ND	47 (J)	40	mg/Kg
SW8270C	Bis(2-ethylhexyl)phthalate	ND	53 (J)	50	mg/Kg
SW8270C	*N*-Nitrosodiphenylamine	ND	80 (J)	50	mg/Kg
SW8270C	Phenanthrene	ND	110 (J)	30	mg/Kg
SW8270C	Pyrene	27 (J)	20 (J)	20	mg/Kg
TX1005	T/R Hydrocarbons: C6-C12	45,700	39,300	6,400	mg/Kg
TX1005	T/R Hydrocarbons: >C12-C28	675,000	543,000	6,400	mg/Kg
TX1005	T/R Hydrocarbons: >C28-C35	72,400	86,700	6,400	mg/Kg
TX1005	T/R Hydrocarbons: C6-C35	793,000	669,000	6,400	mg/Kg
TX1006	C6-C8 Aliphatics	ND	ND	450	mg/Kg
TX1006	>C8-C10 Aliphatics	ND	1,730	450	mg/Kg
TX1006	>C8-C10 Aromatics	ND	ND	450	mg/Kg
TX1006	>C10-C12 Aliphatics	11,700	14,700	450	mg/Kg
TX1006	>C10-C12 Aromatics	ND	ND	450	mg/Kg
TX1006	>C12-C16 Aliphatics	124,000	77,700	450	mg/Kg
TX1006	>C12-C16 Aromatics	21,800	16,300	450	mg/Kg
TX1006	>C16-C21 Aliphatics	154,000	122,000	450	mg/Kg
TX1006	>C16-C21 Aromatics	43,800	53,000	450	mg/Kg
TX1006	>C21-C35 Aliphatics	167,000	192,000	450	mg/Kg
TX1006	>C21-C35 Aromatics	21,600	21,700	450	mg/Kg
TX1006	>C8-C35 Aromatics	87,200	91,000	910	mg/Kg
TX1006	C6-C35 Aliphatics	457,000	408,000	910	mg/Kg

(a) One sample was collected at extraction well EW-12. The second sample was collected at EW-19.
(b) Sample collected at extraction well EW-23 due to insufficient volume in EW-12.



GP2 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP2 (22-25)	
All VOCs	ND

GP8 (11-15)	
Contaminant	Mar-04
All VOCs	ND
GP8 (21-25)	
All VOCs	ND

GPT-6-12 (5-15)	1993	Mar-04	Oct-04	Feb-05	Aug-05
1,1-Dichloroethene	NA	NA	0.24 J	< 1	0.42 J

GPT-6-13 (20-30)	1993	Mar-04	Oct-04	Feb-05	Aug-05
All Analytes	NA	NA	ND	ND	ND

GP6 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP6 (23-25)	
All VOCs	ND

GP1 (6-10)	
1,1-DCA	7.7
GP1 (20-24)	
1,1-DCA	ND

GPT-6-11 (5-15)	1993	Mar-04	Oct-04	Feb-05	Aug-05
All Analytes	NA	NA	ND	ND	ND

GPT-6-10 (20-30)	1993	Mar-04	Oct-04	Feb-05	Aug-05
1,1-Dichloroethene	NA	NA	0.21 J	0.53 J	< 1
1,1-Dichloroethane	NA	NA	< 1	0.21 J	< 1

GP10 (11-15)	
Contaminant	Mar-04
All VOCs	ND
GP10 (21-25)	
All VOCs	ND

GP11 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP11 (20-24)	
All VOCs	ND

GP9 (11-15)	
1,1-DCE	7.93
GP9 (21-25)	
1,1-DCE	ND

GP7 (11-15)	
Acetone	ND
2-Butanone	ND
GP7 (21-25)	
Acetone	ND
2-Butanone	ND
GP7 (36-40)	
Acetone	86.3
2-Butanone	21

GPT-6-3 (3-22)	1993	Mar-04	Oct-04	Feb-05	Aug-05
1,1-Dichloroethene	**9**	< 1	< 1	< 1	< 1
Naphthalene	**16**	< 5	< 5	< 5	< 5
Vinyl Chloride	<1	<1	<1	< 1	0.39 J

GPT-6-9 (20-30)	1993	Mar-04	Oct-04	Feb-05	Aug-05
1,1-Dichloroethene	NA	NA	0.42 J	< 1	0.3 J
Vinyl Chloride	NA	NA	<1	< 1	0.3 J

GPT-6-PZ4 (6-15)	1993	Mar-04	Oct-04	Feb-05	Aug-05
All Analytes	NA	NA	ND	ND	ND

GPT-6-4 (2.5-12.5)	1993	Mar-04	Oct-04	Feb-05	Aug-05
1,1-Dichloroethane	**2,700**	56.1	**80**	< 1	.23 (J)
1,1-Dichloroethene	**1,800**	**10.5**	5.8	< 1	.35 (J)
1,2,4-Trimethylbenzene	NA	**12.7**	NA	1.9	2.1 (J)
Chloroethane	**230**	**202**	**180**	0.74	< 1
Naphthalene	**230**	**11.8**	< 5	1.8	3 (J)
Vinyl Chloride	**21**	**64.7**	**110**	0.51	.52 (J)
Bis(2-ethylhexyl)phthalate	< 4	< 4	**32**	< 4	< 4
TPH-DRO	**295,000**	**690**	**3,000**	< 600	**650 (J)**

GP12 (6-10)	
Contaminant	Mar-04
All VOCs	ND
GP12 (21-25)	
All VOCs	ND

GP16 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP16 (21-24)	
All VOCs	ND

GPT-6-6 (2.5-12.5)	1993	Mar-04	Oct-04	Feb-05	Aug-05
Naphthalene	**250**	**21.6**	< 5	**15.6**	**23**
TPH-DRO	**72,500**	**1,160**	450	**1,140**	< 600

GPT-6-5 (26.5-31.5)	1993	Mar-04	Oct-04	Feb-05	Aug-05
Naphthalene	**16**	< 5	< 5	< 5	< 5

GPT-6-2 (3-22)	1993	Mar-04	Oct-04	Feb-05	Aug-05
TPH-DRO	**880**	< 600	< 600	< 600	< 600

GP4 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP4 (23-25)	
All VOCs	ND

GP15 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP15 (21-24)	
All VOCs	ND

GPT-6-7 (39.5-44.5)	1993	Mar-04	Oct-04	Feb-05	Aug-05
Naphthalene	**16**	< 5	< 5	1.2	< 5

GP13 (11-14)	
Contaminant	Mar-04
All VOCs	ND
GP13 (21-25)	
All VOCs	ND

Analyte	Method	Tier 1 TRG	Unit
1,1-Dichloroethane	8260B	79	ug/L
1,1-Dichloroethene	8260B	7	ug/L
1,2,4-Trimethylbenzene	8260B	12.3	ug/L
Chloroethane	8260B	70	ug/L
Naphthalene	8260B	6.2	ug/L
Vinyl Chloride	8260B	2	ug/L
Bis(2-ethylhexyl)phthalate	8270C	6	ug/L
TPH-DRO	8015D	650	ug/L

Note: Concentrations in bold exceeds the Federal MCL or Tier 1 TRG. All concentrations are in µg/L.

GP5 (10-14)	
Contaminant	Mar-04
All VOCs	ND
GP5 (23-25)	
All VOCs	ND

GP14 (11-14)	
Contaminant	Mar-04
All VOCs	ND
GP14 (21-25)	
All VOCs	ND

GPT-6-8 (2.5-12.5)	1993	Mar-04	Oct-04	Feb-05	Aug-05
1,2,4-Trimethylbenzene	NA	**21.9**	NA	8.88	8.74
Naphthalene	NA	**107**	< 5	**54.5**	**36.4**
TPH-DRO	NA	**3,080**	240	**11,600**	**7,750**

GPT-6-1 (3-27.5)	1993	Mar-04	Oct-04	Feb-05	Aug-05
TPH-DRO	NA	**1,780**	290	**7,220**	**3,580**

Figure 3-3. Historical and Recent Groundwater Sampling Results (µg/L)

bis(2-ethylehexyl)phthalate; and vinyl chloride. Figure 3-3 presents a comparison of results from the 1993 investigation (ABB Environmental Services, 1994) to the recent sampling results for these contaminants, as well as TPH-DRO. Graphs illustrating changes in contaminant concentrations over time for contaminants that have exceeded the Tier 1 TRG at least once during past monitoring events are included in Attachment 2. Figure 3-3 and the graphs in Attachment 2 show that contaminant concentrations have decreased greatly since the initial site investigation conducted in 1993. Recent monitoring data indicate that the groundwater plume is limited in size and that concentrations along the plume axis are decreasing. Thus, there is no evidence for ongoing plume expansion/migration, which would have been evidenced by increasing concentrations. The low chemical concentrations indicate that the LNAPL largely has been depleted, and is no longer acting as a significant source of contamination to the groundwater.

3.4 Natural Attenuation Assessment

Indicators of biodegradation were evaluated to determine the progress of natural attenuation at the site. Natural attenuation refers to physical, chemical, or biological processes that act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants. Natural attenuation leaves several chemical indicators in the groundwater that may be analyzed to demonstrate the presence of these processes. In general, the concentrations of the chemical indicators will be higher or lower in the groundwater plume as biodegradation byproducts accumulate and substrates are depleted.

A comparison of natural attenuation data collected from wells located within the area of contamination to perimeter and background wells was made to evaluate whether monitored natural attenuation (MNA) is viable at the site. Water quality parameters measured during purging are presented in Tables 3-7 and 3-8. Natural attenuation parameter results, including alkalinity, ethene, ethane, ferrous iron, manganese, methane, nitrate-N, sulfate, and sulfide, are summarized in Tables 3-9 and 3-10. Laboratory analytical reports for February and August 2005 events are included in Appendices A and B, respectively.

Site maps showing MNA parameters for February 2005 and August 2005 have been included in Attachments 3 and 4. XY scatter plots illustrating the correlation between concentrations of TPH against the natural attenuation indicators for the two most recent sampling events have been included in Attachment 5. The site maps and graphs show that the data support the occurrence of natural attenuation. One line of evidence is that DO levels are depleted within the plume. DO in August 2005 was measured at 0.0 to 0.23 mg/L for wells within the groundwater plume area and 0.23-3.95 mg/L in wells outside the plume. Biodegradation of petroleum compounds consumes DO. Thus, depleted DO within the plume indicates active biodegradation of dissolved petroleum compounds.

The site maps and XY scatter plots also show that iron and manganese levels are elevated in the wells with a relatively high concentration of TPH-DRO, which suggests that iron and manganese reduction are occurring. Although methane concentrations were elevated (>1,000 µg/L) in GPT-6-4 and GPT-6-6 compared to other site wells, which suggests methanogenesis, there was not a strong trend in TPH-DRO concentrations to methane concentrations. Sulfate levels tended to be low (<3 mg/L) in wells with relatively high concentrations of TPH (e.g., GPT-6-8) compared to sulfate levels (>3 mg/L) in wells with no TPH. Relatively high concentrations (>1.5 mg/L) of sulfide also were observed to be present in wells having TPH in the groundwater, whereas wells with no TPH had sulfide concentrations of 0.2 mg/L or less. This suggests biodegradation by sulfate reduction to sulfide. Both the site maps and XY scatter plots show a strong trend of ORP decreasing (negative values) in TPH-impacted wells and wells located immediately downgradient of the plume, and a greater ORP in the background well and perimeter wells located further downgradient of the plume.

Table 3-7. Field Parameter Measurements During Groundwater Sampling, February 2005

Monitoring Well ID	Volume Purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Temperature (ºC)
GPT-6-1	3	5.65	0.161	-4.6	1.23	-133	21.2
GPT-6-2	3	5.06	0.057	-6.4	5.20	246	19.8
GPT-6-3	3.5	4.95	0.082	-10	1.15	-36	21.7
GPT-6-4	3	6.79	0.624	-10	0.44	-235	19.4
GPT-6-5	3.5	5.47	0.086	-10	4.96	136	20.2
GPT6-7	2.5	5.34	0.090	-10	0.58	-97	21.3
GPT-6-8	3	5.92	0.172	-10	1.70	-272	17.4
GPT-6-9	3	4.80	0.072	18.3	0.57	91	22.9
GPT-6-10	4	5.85	0.158	161.0	3.75	1	22.7
GPT-6-11	3	6.01	0.155	17.1	3.39	103	19.4
GPT-6-12	6	4.82	0.087	31.8	3.91	106	22.4
GPT-6-13	3	4.71	0.104	11.8	8.15	93	21.4
GPT-6-PZ4	2.5	6.49	0.289	-7.1	2.64	121	19.7

NTU = nephelometric turbidity units

Table 3-8. Field Parameter Measurements During Groundwater Sampling, August 2005

Monitoring Well ID	Volume Purged (gal)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Temperature (ºC)
GPT 6-1	6	5.93	0.139	39.5	0.15	-553	24.1
GPT 6-2	7	4.81	0.036	61.2	0.20	393	25.2
GPT 6-3	4	4.63	0.064	24.4	0.20	-504	23.9
GPT 6-4	3	7.2	0.659	61.2	0.45	-1427	25.9
GPT 6-5	4.5	5.26	0.083	28.6	0.25	240	23.4
GPT 6-6	3	4.78	0.042	33.0	0.13	-1159	25.9
GPT 6-7	3	4.98	0.076	104.0	0.16	-1159	23.1
GPT 6-8	4	6.11	0.193	65.4	0.15	-1022	26.7
GPT 6-9	6	4.46	0.069	8.5	0.25	20	24.1
GPT 6-10	5	5.98	0.120	40.5	0.22	159	23.8
GPT 6-11	5	5.83	0.100	14.5	0.34	322	26.2
GPT 6-12	5	4.83	0.071	61.0	0.20	-191	23.7
GPT 6-13	5	4.61	0.070	42.9	0.18	241	25.7
GPT 6-PZ4	3.5	6.19	0.240	3.0	1.85	214	28.0

NTU = nephelometric turbidity units

Table 3-9. Natural Attenuation Parameters Detected in Samples from Groundwater Monitoring Wells, February 2005

Parameter	Alkalinity (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Ferrous Iron (mg/L)	Manganese (µg/L)	Methane (µg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)
Background									
GPT-6-2	10.5	ND	ND	ND	ND	0.91 J	0.635	10	UJ
Plume Characterization									
GPT-6-1	50.9	ND	ND	11.2 J	46	96.4	ND	1.5 J	2.31 J
GPT-6-3	ND	ND	ND	1.54 J	20.2	52	ND	14.1	0.211 J
GPT-6-4	334	ND	ND	0.265 J	55.1	2,940	ND	2.1 J	1.56 J
GPT-6-5	13.4	ND	ND	UJ	32.3	2.8	ND	14.6	0.019 J
GPT-6-6	34.8	ND	ND	5.6 J	8.3 J	1,480	ND	6.38	1.1 J
GPT-6-6 DUP	36.1	ND	ND	5.62 J	8.7 J	1,600	ND	5.23	1.16 J
GPT-6-7	17	ND	ND	3.83 J	52.1	153	ND	9.82	0.168 J
GPT-6-8	61.8	ND	ND	7.38 J	24.3	47.4	ND	2.2 J	3.5 J
Perimeter									
GPT-6-9	ND	ND	ND	0.67 J	30.4	20.7	ND	11.4	0.0191
GPT-6-10	45.5	ND	ND	0.338 J	69	22.4	ND	17.5	ND
GPT-6-11	58.3	ND	ND	0.093 J	9.9 J	7.09	ND	9.62	ND
GPT-6-12	ND	ND	ND	0.85 J	27.8	55.5	ND	17.5	0.0221
GPT-6-13	ND	ND	ND	0.96 J	28.4	88.1	ND	19	0.0811
GPT-6-PZ4	138	ND	ND	UJ	ND	ND	0.16 J	6.05	ND
U.S. EPA Method	310.1	RSK175	RSK175	3500	6010B	RSK-175	9056	9056	376.1
MDL	1	0.6	0.7	2.5	1	0.6	0.05	0.2	0.11
RL	5	1.5	1.5	5	10	1.2	0.1	0.5	1

J = Estimated value
MDL = method detection limit
ND = not detected
RL = reporting limit
UJ = not detected (MDL is an estimated value)

Table 3-10. Natural Attenuation Parameters Detected in Samples from Groundwater Monitoring Wells, August 2005

Parameter	Alkalinity (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Ferrous Iron (mg/L)	Manganese (µg/L)	Methane (µg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)
Background									
GPT-6-2	ND	ND	ND	ND	ND	ND	ND	6.54	ND
Plume Characterization									
GPT-6-1	46.9	ND	ND	7.46 J	78.4	186	ND	11	1.6
GPT-6-3	ND	ND	ND	1.57 J	22.8 U	92.6	ND	12.5	0.168
GPT-6-4	371	ND	ND	0.45 J	107 J	9,790	ND	ND	1.97
GPT-6-4 DUP	ND	ND	ND	0.434	127 J	12,000	ND	ND	0.369
GPT-6-5	19.8	ND	ND	3.46 J	60.5	22.3	ND	14.4	0.0608
GPT-6-6	13.3	ND	ND	0.394	3.5 U	2,900	ND	ND	1.69
GPT-6-7	22.5	ND	ND	4.69	48.9	367	ND	4.48	1.67
GPT-6-8	83.7	ND	ND	11.7 J	90.2	789	ND	ND	2.37
Perimeter									
GPT-6-9	ND	ND	ND	2.27	29.1	5.17	ND	9.15 J	0.0169
GPT-6-10	63	ND	ND	1.06	21.3 U	191	ND	6.31	ND
GPT-6-11	48.8	ND	ND	ND	3.4 U	364	ND	4.06	ND
GPT-6-12	ND	ND	ND	1.25	16.8	36	ND	18.3	0.0254 J
GPT-6-13	ND	ND	ND	0.63	9.2 U	37.6	ND	18.7	0.0631 J
GPT-6-PZ4	126	ND	ND	ND	5.1 J	ND	ND	4.22 J	ND
U.S. EPA Method	310.1	RSK175	RSK175	3500	6010B	RSK-175	9056	9056	376.1
MDL	1	0.6	0.7	2.5	1	0.6	0.05	0.2	0.11
RL	5	1.5	1.5	5	10	1.2	0.1	0.5	1

J = Estimated value
MDL = method detection limit
ND = not detected.
RL = reporting limit
U = not detected above the revised sample quantitation limit for the sample.
UJ = not detected (MDL is an estimated value)

This trend is expected where iron reduction, methanogenesis, and/or sulfate reduction processes are occurring, further substantiating the natural attenuation of the TPH.

3.5 Data Validation

Data validation was conducted on the laboratory analytical results for VOCs, SVOCs, TPH, dissolved manganese, ferrous iron, wet chemistry, methane, ethane, and ethene by Laboratory Data Consultants, Inc., of Carlsbad, California. Data were validated at 90% U.S. EPA Level III and 10% U.S. EPA Level IV. Data validation was performed in accordance with the following documents, as applicable to each of the analytical methods performed:

- U.S. EPA SW-846, Third Edition, *Test Methods for Evaluating Solid Waste* update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998;

- U.S. EPA, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999; and

- U.S. EPA, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, February 1994.

Data qualifiers were assigned to the analytical results during the data validation process and were noted in analytical results submitted by the laboratory, which are attached to each data validation report. All data were considered usable for the intended purposes, taking into account the following qualifiers:

- J (an estimated value)
- U (nondetected)
- UJ (nondetected. But the sample detection limit is an estimated value)
- R (data are not usable)
- E (sample result exceeded calibration range).

Data validation reports were reviewed by Battelle. The data validation reports for February and August 2005 monitoring events are included in Appendices C and D, respectively. If an individual chemical analysis did not meet the established limits for the analytical method for surrogate percent recovery (%R), laboratory control sample percent recovery (%R), continuing calibration percent differences (%D), or matrix spike or matrix spike duplicate (MS/MSD) percent recovery (%R), the analyte was flagged with a “J” or “UJ”. 3,3′ dichlorobenzidine was flagged with an “R” because the MS/MSD percent recoveries were zero; however, the affected samples were all non-detects. All other data were considered usable for the intended purposes. These qualifiers have been included in the summary tables.

Several chemicals, including isopropylbenzene, acenaphthene, phenanthrene and sulfide, did not meet the relative percent difference (RPD) of 25% for the field duplicate sample. These sample results are below the reporting limit for the method. As a conservative measure, the higher detected concentration was used in the tables and figures.

4.0: SOIL INVESTIGATION

The MDEQ requested additional information on chemical concentrations in the soil at Site 6. On October 4, 2006, direct-push sampling was performed to collect soil samples for off-site analysis of VOCs, SVOCs, and TPH. This section describes the analytical results for soils samples collected during this field investigation, as well as the procedures and test methods used to obtain chemical data.

4.1 Borehole Location

Grab samples were collected at a limited number of locations to provide information on the extent of TPH contamination in the soil. Samples where collected from locations where there was a high probability of finding TPH contamination by using a pattern that radiated outward from the source areas (i.e., the remaining LNAPL plume). Soil samples were collected immediately above the water table within the smear zone (the water table is located approximately 4 to 6 ft below ground surface [bgs]). A photoionization detector (PID) was used to screen the soil sample for evidence of LNAPL contamination. At two locations, adjacent to GPT-6-7 and GPT-6-5, samples were collected at multiple depths in order to compare the results to historical data for TPH, VOCs, and SVOCs. The borehole locations are shown in Figure 4-1. A Trimble GeoXT pocket computer with global positioning system (GPS) was used to record the location in Mississippi State Plane coordinates.

4.2 Borehole Installation

A direct-push technique was employed to collect the soil samples. The investigation consisted of advancing one borehole at each location and collecting samples from different depths. A total of 12 soil samples and one trip blank were sent to the analytical laboratory for off-site analysis. The soil sample locations (Figure 4-1) (designated SS-1, SS-2, etc.) were selected based on historical data. Samples were collected from the borehole installed adjacent to GPT-6-7 (i.e., B-1) at 10, 20, and 45 ft bgs. Samples were collected from the borehole installed adjacent to GPT-6-5 (i.e., B-2) at 5, 10 and 25 ft bgs. These samples were collected in order to provide information on the chemical concentrations at various depths, as well as to provide a basis for comparison to historical chemical data, which were available for these two locations (Table 4-1). At all other borehole locations, one soil sample, located immediately above the water table (approximately 4 to 6 ft bgs), was collected.

4.3 Soil Sampling

A 4-ft-long core was retrieved from each borehole at the depths described in Section 4-2. Immediately upon removal from the borehole, the core tube was opened and the liner was cut in half lengthwise. A subset of the sample was placed in a Ziploc® bag, which was closed tightly and shaken vigorously, and allowed to equilibrate for a minimum of 5 minutes to allow the COCs to partition into the vapor phase. After approximately five minutes, the PID sample probe was inserted into the bag and the highest instrument reading was recorded in the logbook.

To collect a sample for VOC analysis, a thin layer of soil was scraped away to expose a fresh surface for sampling. The EasyDraw Syringe® was inserted into the soil far enough to fill the preset barrel space (5 g). The soil plug was transferred into the laboratory-supplied vial by pushing the plunger of the syringe. The sample was stored in a cooler with ice until shipment. The remaining portion of the soil cores were placed in the laboratory supplied containers for SVOC and TPH analysis, which also were stored in the cooler with ice until shipment to DHL Analytical of Round Rock, Texas.

The laboratory analyzed the samples using the following methods: TPH-GRO modified method M8015V, TPH-DRO modified method M8015D, SVOCs by GC/MS - Soil Method SW8270C and VOCs (5035) by GC/MS method SW8260B. The analytical results of the October 4, 2006, investigation are presented in Table 4-2.

Figure 4-1 presents the TPH-DRO concentrations measured at Site 6. TPH-DRO was detected at levels above both the unrestricted (300 mg/kg) and restricted (350 mg/kg) Tier 1 TRGs at four locations (i.e., B-2, B-3, B-5 and B-8). No other contaminants were detected above the unrestricted Tier 1 TRG values, except for dibenz [a,h] anthracene, which was below the Tier 1 TRG restricted value. In general, the concentrations of COCs were significantly lower than the historical concentrations, which were measured during the site investigation conducted in November 1993 (ABB Environmental Services, 1994) (Figure 4-1).

4.4 Borehole Abandonment

At the end of the investigation, the boreholes were abandoned with grout. The investigation-derived waste was disposed of at a licensed off-site facility under the site's profile number (011901) and was classified as non-hazardous.

4.5 Data Validation

Data validation was conducted on the laboratory analytical results for VOCs, SVOCs, and TPH by Laboratory Data Consultants, Inc., of Carlsbad, California. Data were validated at 90% U.S. EPA Level III and 10% U.S. EPA Level IV. Data qualifiers were assigned to the analytical results during the data validation process and were noted in analytical results submitted by the laboratory, which are attached to each data validation report. The data validation report is included in Appendix E. If an individual chemical analysis did not meet the established limits for the analytical method for surrogate percent recovery (%R), laboratory control sample percent recovery (%R), continuing calibration percent differences (%D), or matrix spike or matrix spike duplicate (MS/MSD) percent recovery (%R), the analyte was flagged with a "J" or "UJ". The data were considered usable for the intended purposes. These qualifiers have been included in the summary tables.

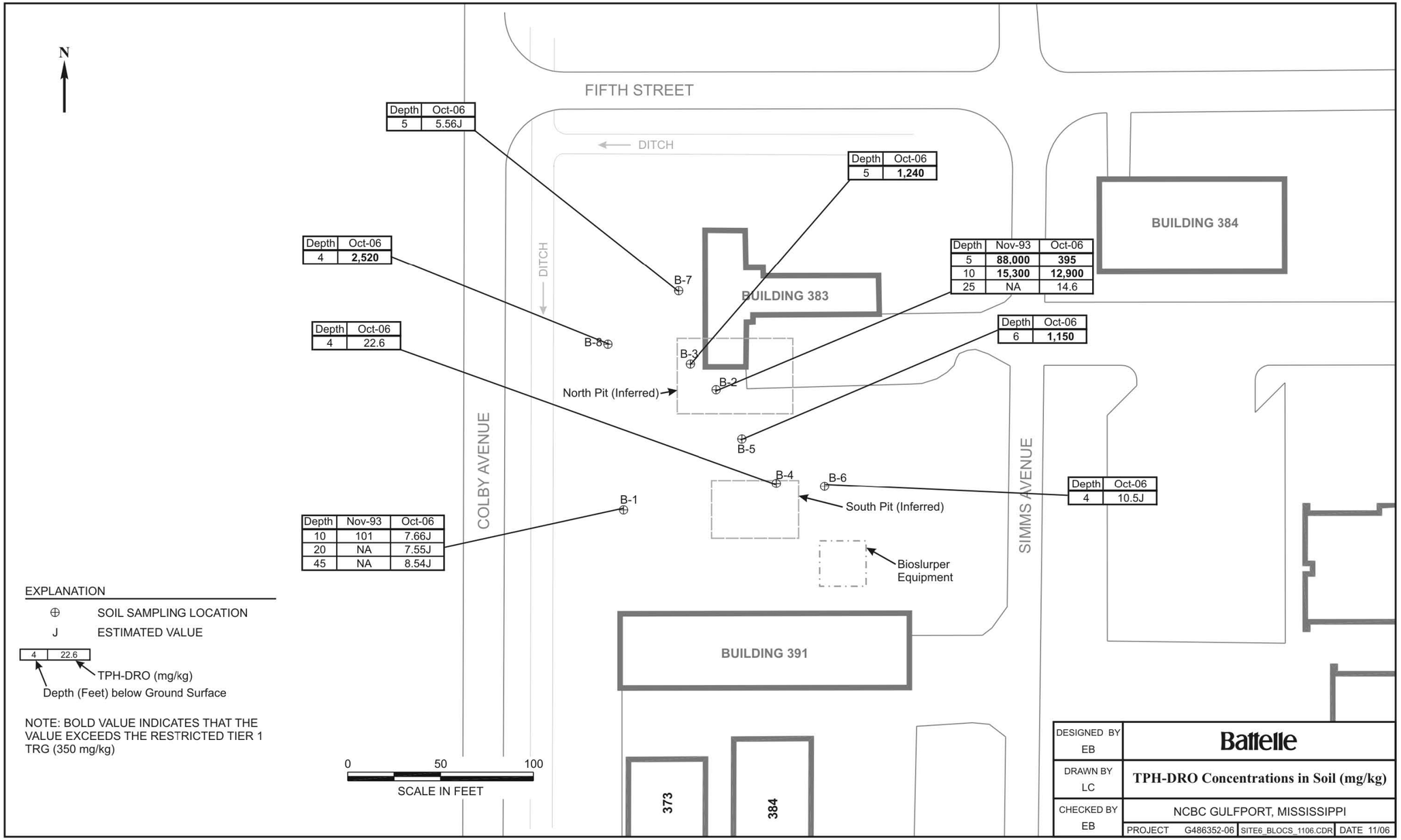


Figure 4-1. Soil Sample Locations and TPH-DRO Concentrations

Table 4-1. Chemical Data for Soil Samples, October 2006

Parameter	Method	Unit	MDL	RL	TIER 1 TRG[(a)]	TIER 1 TRG[(b)]	B-1 SS-1 10 FT	B-1 SS-2 20 FT	B-1 SS-3 45 FT	B-2 SS-4 5 FT	B-2 SS-5 10 FT	B-2 SS-6 25 FT	B-3 SS-7 5 FT	B-4 SS-8 4 FT	B-5 SS-9 6 FT	B-6 SS-10 4 FT	B-7 SS-11 5 FT	B-8 SS-12 4 FT
Acetone	SW8060B	µg/Kg	14	46.6	7,820,000	104,000,000	53.7	ND	23.4 J	3,020 J	317 J	36.6 J	35.0 J	ND	ND	ND	ND	13.1 J
Benzene	SW8060B	µg/Kg	0.965	4.83	887	1,360	ND	ND	ND	ND	19.8 J	1.36 J	ND	ND	ND	ND	ND	ND
2-Butanone	SW8060B	µg/Kg	4.63	13.9	84,500	84,500	ND	ND	ND	12.3 J	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	SW8060B	µg/Kg	59.7	2.98	3,130,000	81,800,000	ND	ND	ND	ND	125 J	ND	ND	ND	ND	ND	ND	ND
Chloroethane	SW8060B	µg/Kg	0.965	4.83	220,000	1,970,000	ND	ND	ND	ND	42.2 J	14.9	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	SW8060B	µg/Kg	0.932	4.66	782,000	1,210,000	1.41 J	ND	ND	ND	13.6 J	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	SW8060B	µg/Kg	0.965	4.83	116,000	116,000	ND	ND	ND	ND	121 J	39.3	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	SW8060B	µg/Kg	0.965	4.83	77.2	118	ND	ND	ND	ND	33.5 J	10.7	ND	ND	ND	ND	ND	ND
Ethylbenzene	SW8060B	µg/Kg	0.965	4.83	395,000	395,000	ND	ND	ND	ND	315 J	3.77 J	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	SW8060B	µg/Kg	0.965	4.83	NA	NA	ND	ND	ND	ND	481	2.62 J	ND	ND	ND	ND	ND	ND
Isopropylbenzene	SW8060B	µg/Kg	0.965	4.83	9,430	9,430	ND	ND	ND	ND	75.8 J	1.18 J	ND	ND	ND	ND	ND	ND
Methylene chloride	SW8060B	µg/Kg	4.66	4.66	14,300	21,900	8.58 J	12.2 J	10.7 J	ND	27.3 J	15.2 J	8.43 J	9.27 J	9.16 J	ND	ND	13.9 J
Naphthalene	SW8060B	µg/Kg	4.66	14	194,000	247,000	33	ND	ND	ND	4,200	34.4	ND	ND	ND	ND	ND	ND
n-Butylbenzene	SW8060B	µg/Kg	0.965	4.83	3,130,000	81,800,000	ND	ND	ND	ND	645	3.11 J	ND	ND	ND	ND	ND	ND
n-Propylbenzene	SW8060B	µg/Kg	0.965	4.83	490,000	490,000	ND	ND	ND	ND	714	3.60 J	ND	ND	ND	ND	ND	ND
Toluene	SW8060B	µg/Kg	0.965	4.83	38,000	38,000	ND	1.38 J	1.01 J	ND	199 J	14.1	1.85 J	ND	1.56 J	1.32 J	1.36 J	1.77 J
1,2,4-Trimethylbenzene	SW8060B	µg/Kg	0.965	4.83	3,910,000	102,000,000	1.16 J	ND	ND	ND	8,150	46.9	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	SW8060B	µg/Kg	0.965	4.83	436,000	436,000	ND	ND	ND	ND	2,960	19.7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	SW8060B	µg/Kg	0.965	4.83	1,190,000	1,190,000	ND	ND	ND	ND	ND	3.52 J	ND	ND	ND	ND	ND	ND
Tetrachloroethene	SW8060B	µg/Kg	0.965	4.83	11,900	18,200	ND	ND	ND	ND	55.9 J	1.77 J	ND	ND	ND	ND	ND	ND
Vinyl Chloride	SW8060B	µg/Kg	0.965	4.83	426	939	ND	ND	ND	ND	3.04 J	ND	ND	ND	ND	ND	ND	ND
o-Xylene	SW8060B	µg/Kg	0.965	4.83	413,000	413,000	ND	ND	ND	ND	1,050	8.97	ND	ND	ND	ND	ND	ND
m,p-Xylene	SW8060B	µg/Kg	0.965	4.83	NA	NA	ND	ND	ND	ND	3,020	17.6	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	SW8270C	mg/Kg	0.0244	0.162	1,560	40,900	ND	ND	ND	ND	32.8 J	0.0244 J	0.901	ND	ND	ND	ND	ND
Acenaphthene	SW8270C	mg/Kg	0.0479	0.159	4,690	123,000	ND	ND	ND	ND	ND	ND	0.502	ND	ND	ND	ND	ND
Anthracene	SW8270C	mg/Kg	0.0232	0.154	23,500	613,000	ND	ND	ND	ND	ND	ND	ND	ND	0.0849 J	ND	ND	0.227 J
Benzo[g,h,i]perylene	SW8270C	mg/Kg	0.341	0.756	2,350	61,300	ND	ND	ND	ND	0.862	ND	ND	ND	ND	ND	ND	1.48
Bis(2-ethylhexyl)phthalate	SW8270C	mg/Kg	0.0598	0.159	45.6	409	ND	ND	ND	ND	ND	ND	0.287	ND	ND	ND	ND	0.372
Dibenz[a,h]anthracene	SW8270C	mg/Kg	0.284	0.756	0.0875	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.379 J
Fluoranthene	SW8270C	mg/Kg	0.118	0.781	3,130	81,700	ND	ND	ND	ND	0.744 J	ND	ND	ND	ND	ND	ND	ND
Fluorene	SW8270C	mg/Kg	0.0359	0.159	3,130	81,700	ND	ND	ND	ND	5.13	ND	0.582	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	SW8270C	mg/Kg	0.23	0.78	0.875	7.84	ND	ND	ND	ND	0.392 J	ND	ND	ND	ND	ND	ND	0.796
Naphthalene	SW8270C	mg/Kg	0.0498	0.166	194	247	0.0498	ND	ND	ND	7.29	ND	0.0957	ND	ND	ND	ND	ND
Phenanthrene	SW8270C	mg/Kg	0.0359	0.159	2,350	61,300	ND	ND	ND	ND	14.5	0.0487 J	1.88	ND	ND	ND	ND	ND
Pyrene	SW8270C	mg/Kg	0.0239	0.159	2,350	61,300	ND	ND	ND	ND	1.18	ND	0.183	ND	ND	ND	ND	0.144 J
TPH-GRO	M8015V	mg/Kg	0.0545	0.182	200	300	0.0569 J	ND	ND	0.114 J	34.4	0.672	0.424	ND	ND	ND	ND	ND
TPH-DRO (C10-C28)	M8015D	mg/Kg	3.66	12.2	300	350	7.66 J	7.55 J	8.54 J	**395**	**12,900**	14.6	**1,240**	22.6	**1,150**	10.5 J	5.56 J	**2,520**
TPH-ORO (C28-C35)	M8015D	mg/Kg	3.66	12.2	NA	NA	4.69 J	ND	5.05 J	112	1,310	ND	147 J	4.57 J	32.0	4.60 J	3.83 J	833

(a) Unrestricted
(b) Restricted
Bold value indicates that the value exceeds the restricted limit. NA = not available

5.0: CONCLUSIONS AND RECOMMENDATIONS

Source removal was conducted at Site 6 under a CERCLA non-time critical removal action as part of the Navy's Installation Restoration program. The goal of the source removal action was to reduce LNAPL, which serves as a source of contamination to the groundwater, to the maximum extent practicable. A reduction in LNAPL recovery by the MPE system, an exponential increase in the cost to recover a gallon of LNAPL, and the diminished thickness of LNAPL in the site wells are strong indicators that this goal has been achieved.

It is understood that any LNAPL remaining at the site will serve as a limited, but continued, source of contamination to the groundwater. However, results of the March 2004 direct-push dissolved-phase plume investigation and subsequent groundwater monitoring events (October 2004, February 2005, and August 2005) show that the majority of contaminants are present at concentrations below ARARs and are decreasing. Therefore, the Navy proposes to implement appropriate institutional controls (i.e., land use restriction and agreed order with MDEQ) to address the remaining contamination. No further remedial action is warranted for the following reasons:

1) LNAPL thickness data indicate that the LNAPL plume will not migrate off-site. Water table fluctuations are smearing a few inches of LNAPL over 5 feet, thus allowing slight amounts of LNAPL to appear and disappear. Under these conditions, horizontal movement of LNAPL will not occur, and recovery of LNAPL will be negligible.

2) The LNAPL has been present at the site for over 40 years. Sufficient time has elapsed to allow the LNAPL and groundwater to reach a pseudo steady-state condition. It is not expected that the groundwater plume would expand in the future. The groundwater monitoring data collected thus far not only substantiate that the dissolved-phase plume exhibits no significant migration, but also that the concentrations of COCs are decreasing.

3) Groundwater contaminant concentrations are below regulatory standards (i.e., Federal MCLs and the Tier 1 TRGs) except for naphthalene and TPH-DRO. MNA, which has been demonstrated to be occurring at the site, appears to have limited contaminant migration. Soil contaminant concentrations also have decreased compared to historical concentrations. All soil contaminant concentrations in highly contaminanted areas are below regulatory standards (i.e., Tier 1 TRGs, restricted) except for TPH-DRO.

The MPE system will be dismantled and removed from the site. The extraction wells will be properly destroyed in accordance with local regulations. The groundwater monitoring wells will remain in place to monitor the progress of natural attenuation. A groundwater monitoring program will be developed, which will include monitoring for TPH-DRO, VOCs and SVOCs on a quarterly basis for two years. If the contaminant concentrations show a stable trend, the sampling frequency will be reduced to once every two years. The groundwater monitoring program will be evaluated every two years to determine the appropriate chemical analyses and sampling frequency.

6.0: REFERENCES

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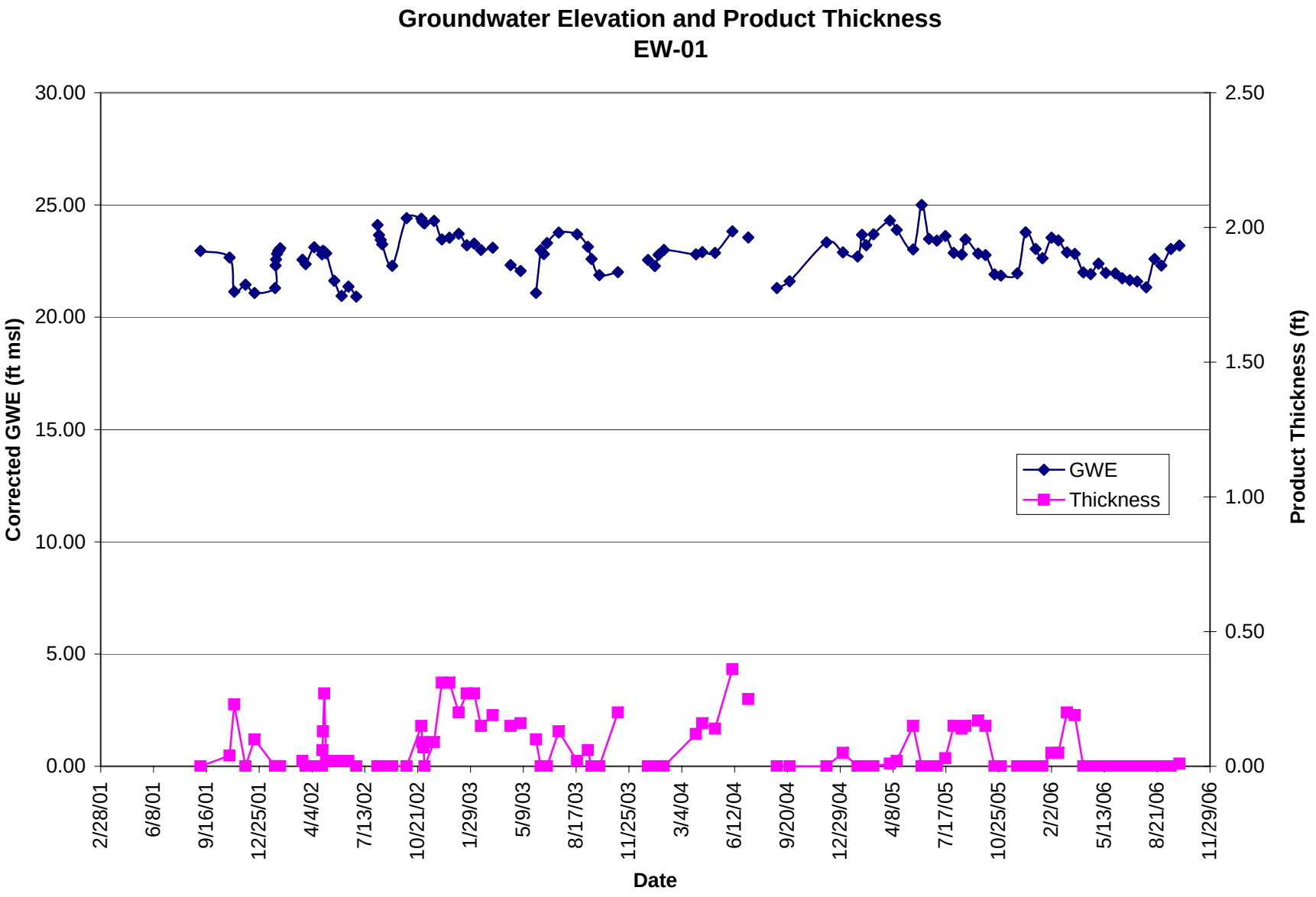
ATTACHMENT 1:

Graphs Showing LNAPL Thickness and Groundwater Elevation Measured in Extraction Wells EW-1 Through EW-23 and Monitoring Wells GPT-6-1 Through GPT-6-8 Over Time


Groundwater Elevation and Product Thickness
EW-01
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
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25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
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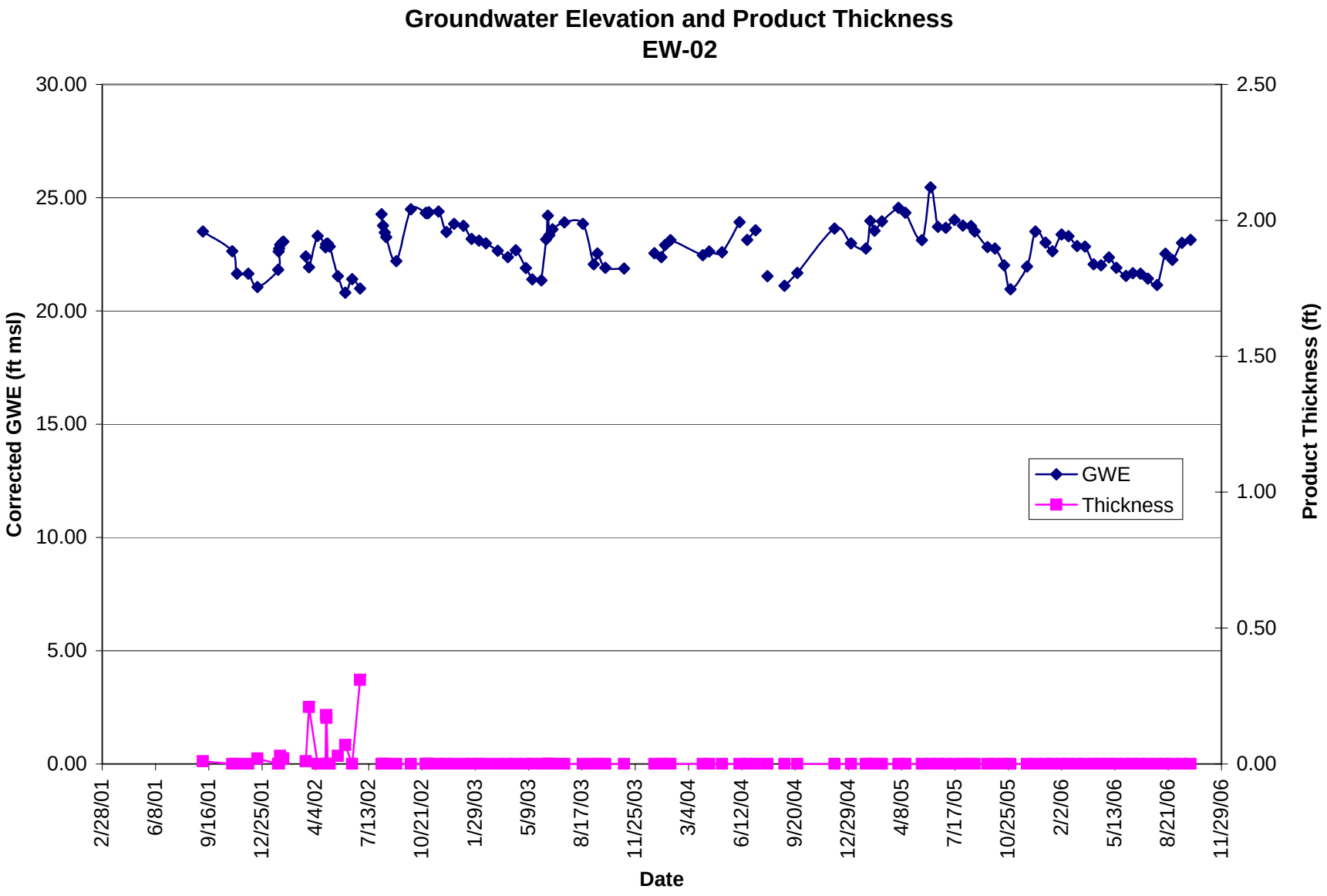
8/21/06
11/29/06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Product Thickness (ft)
Date
GWE
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15.00
10.00
5.00
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2.50
2.00
1.50
1.00
0.50
0.00
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6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
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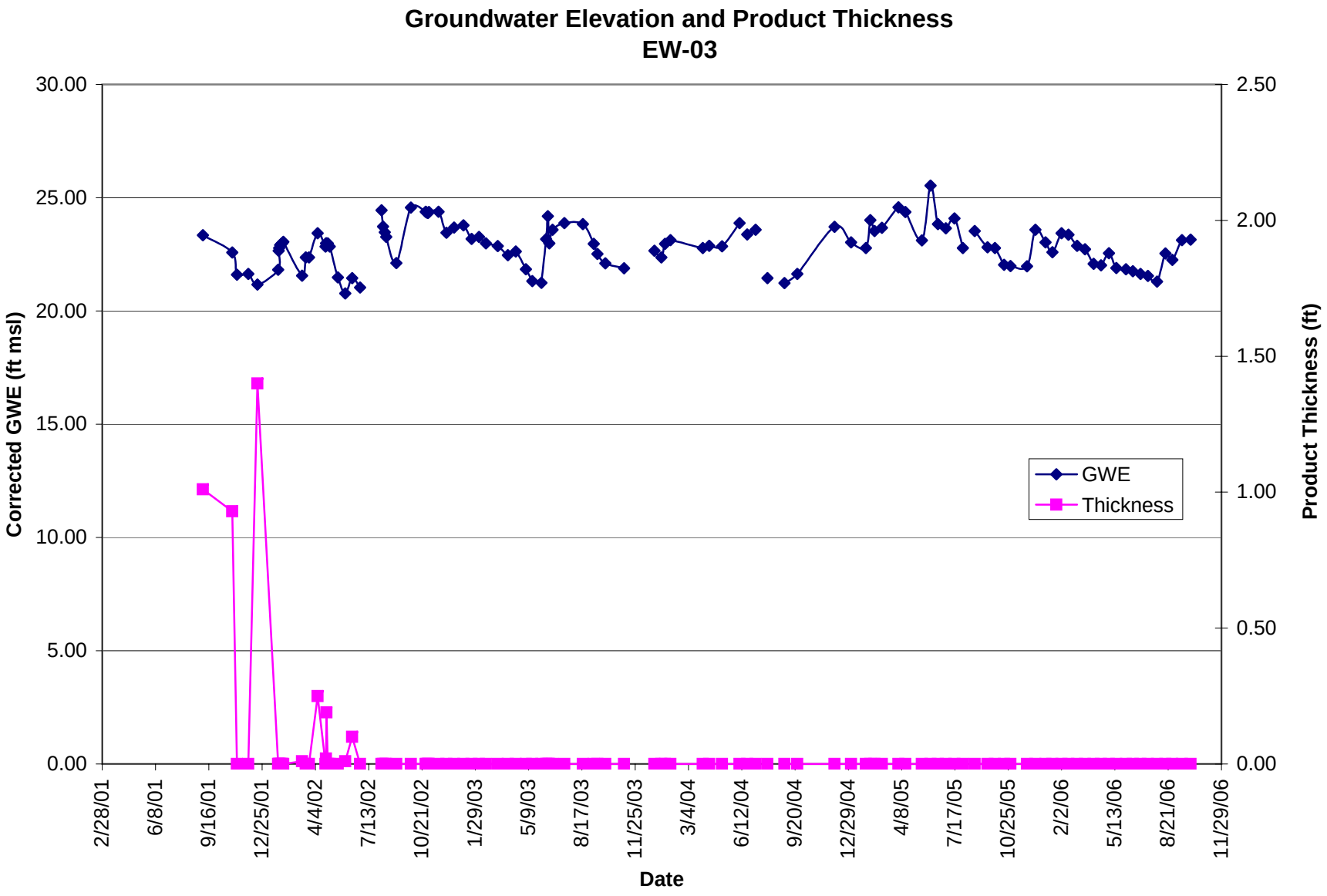
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
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2.50
2.00
1.50
1.00
0.50
0.00
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6/8/01
9/16/01
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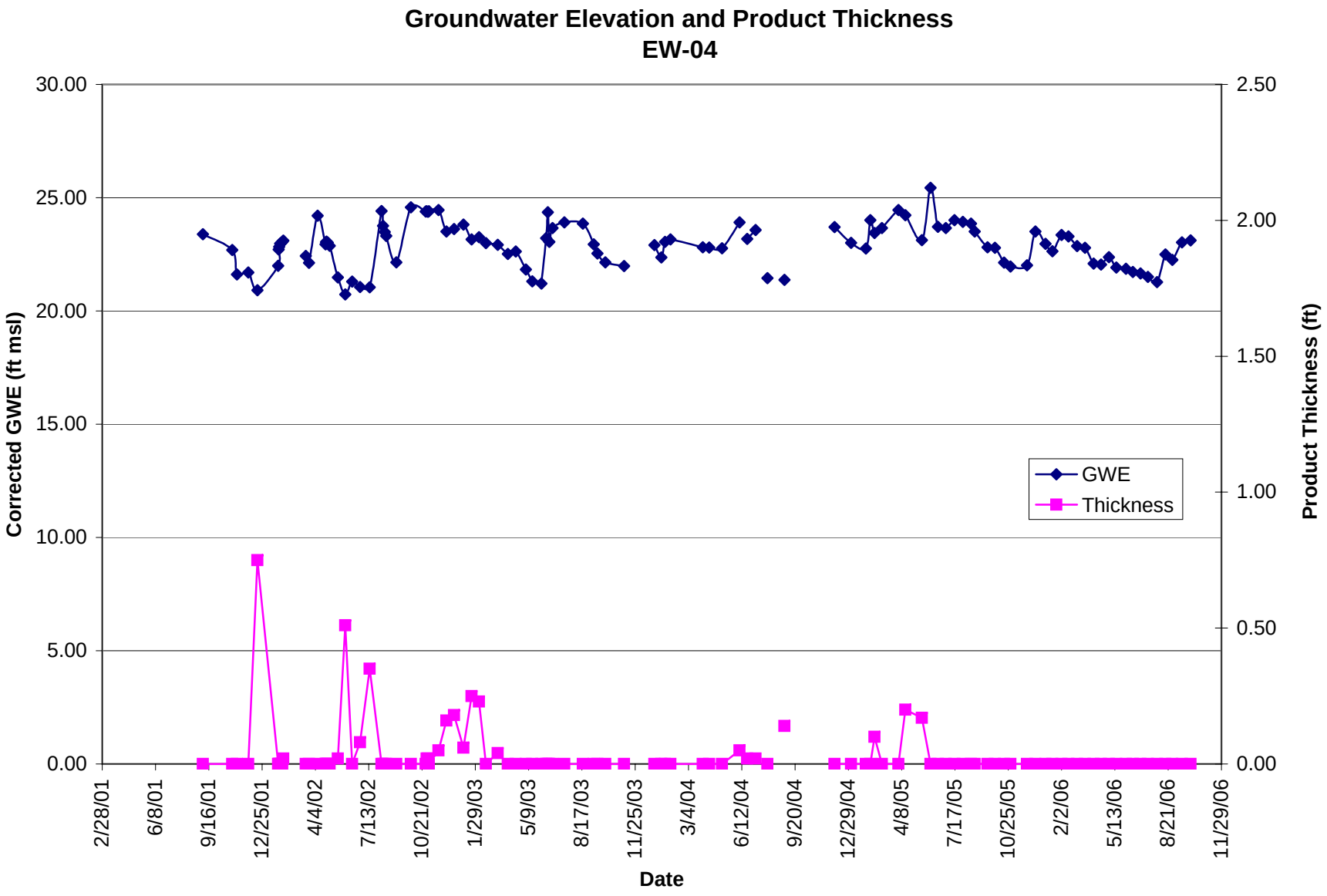
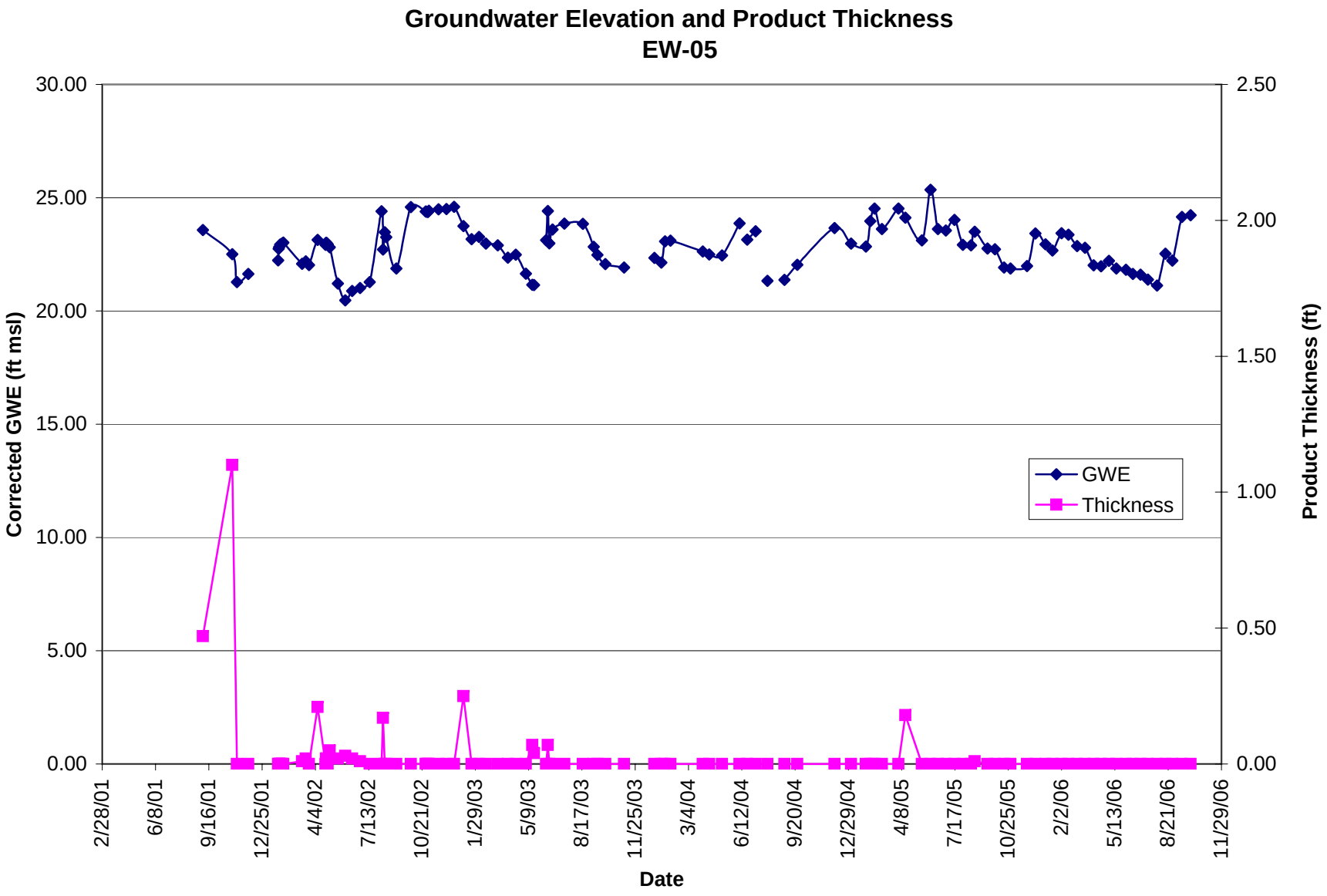
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-04
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-05
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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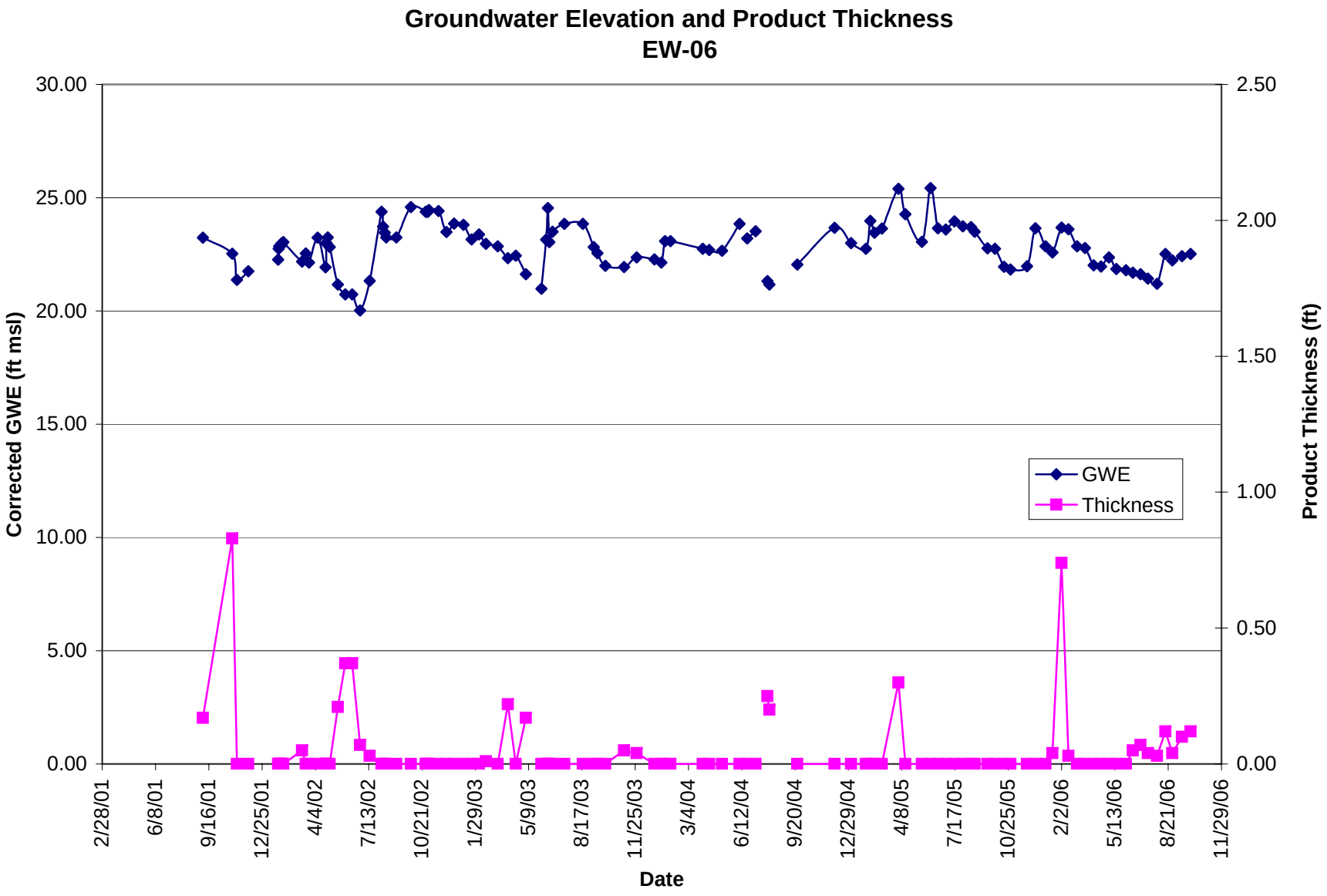
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-06
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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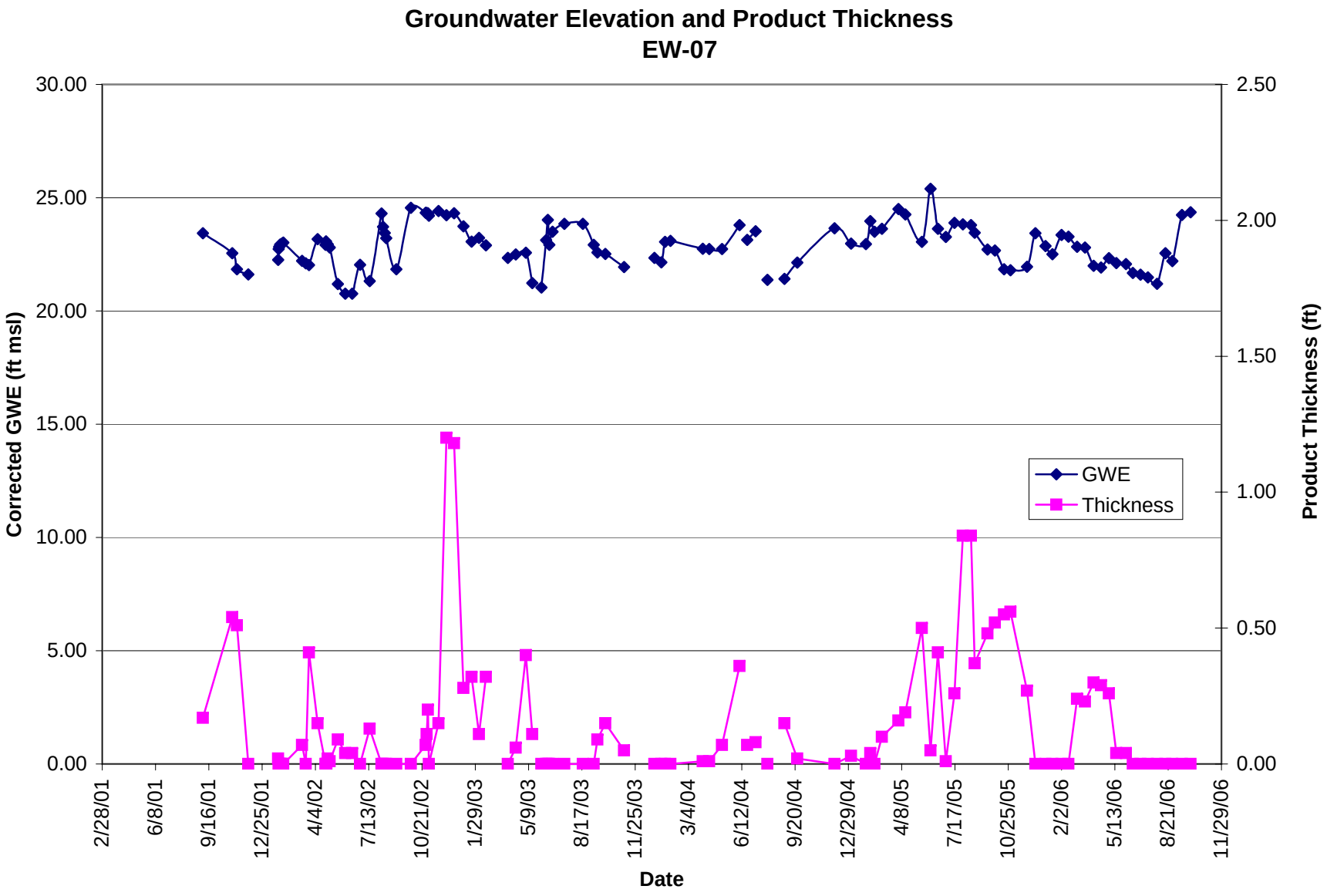
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-07
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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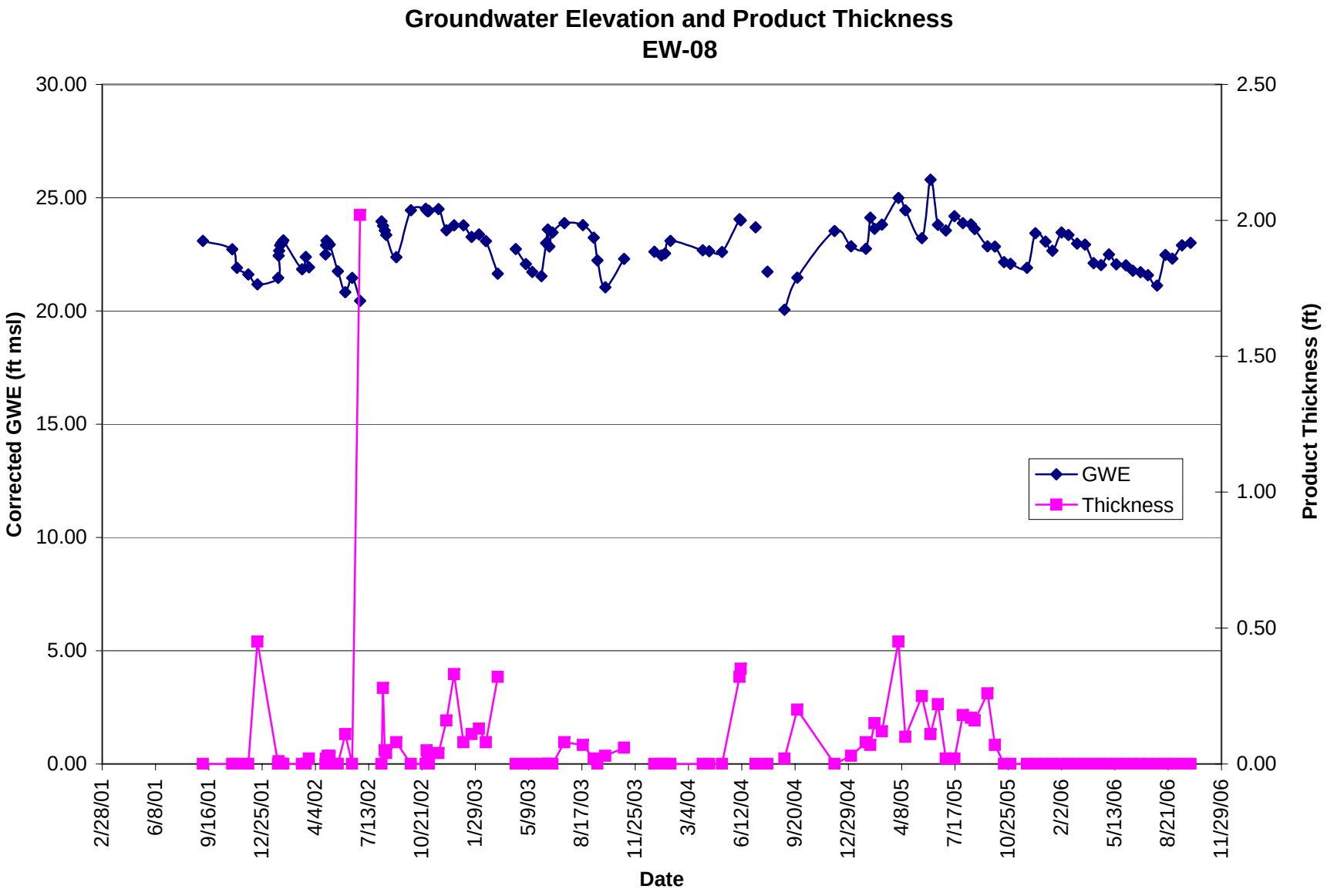
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-08
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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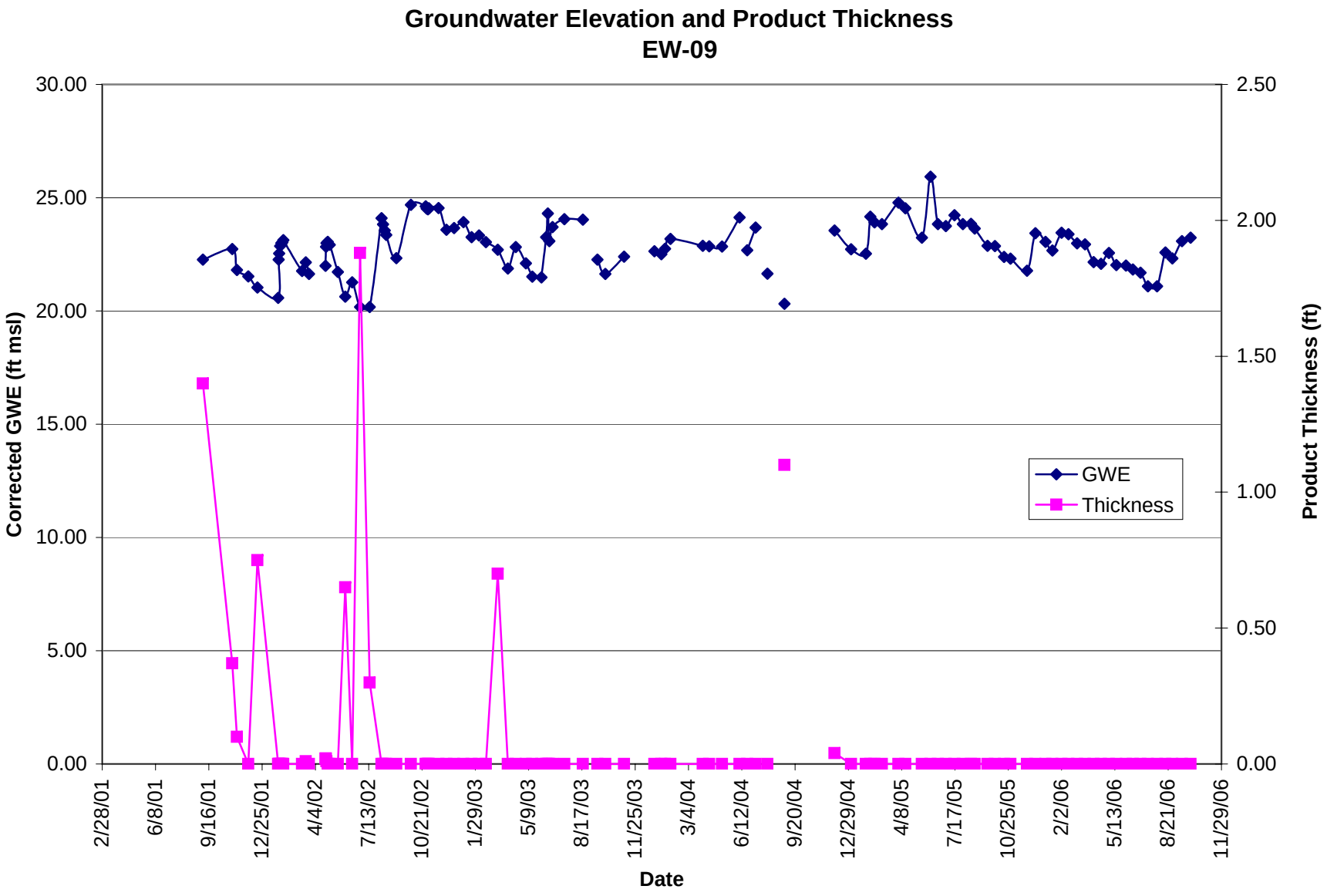
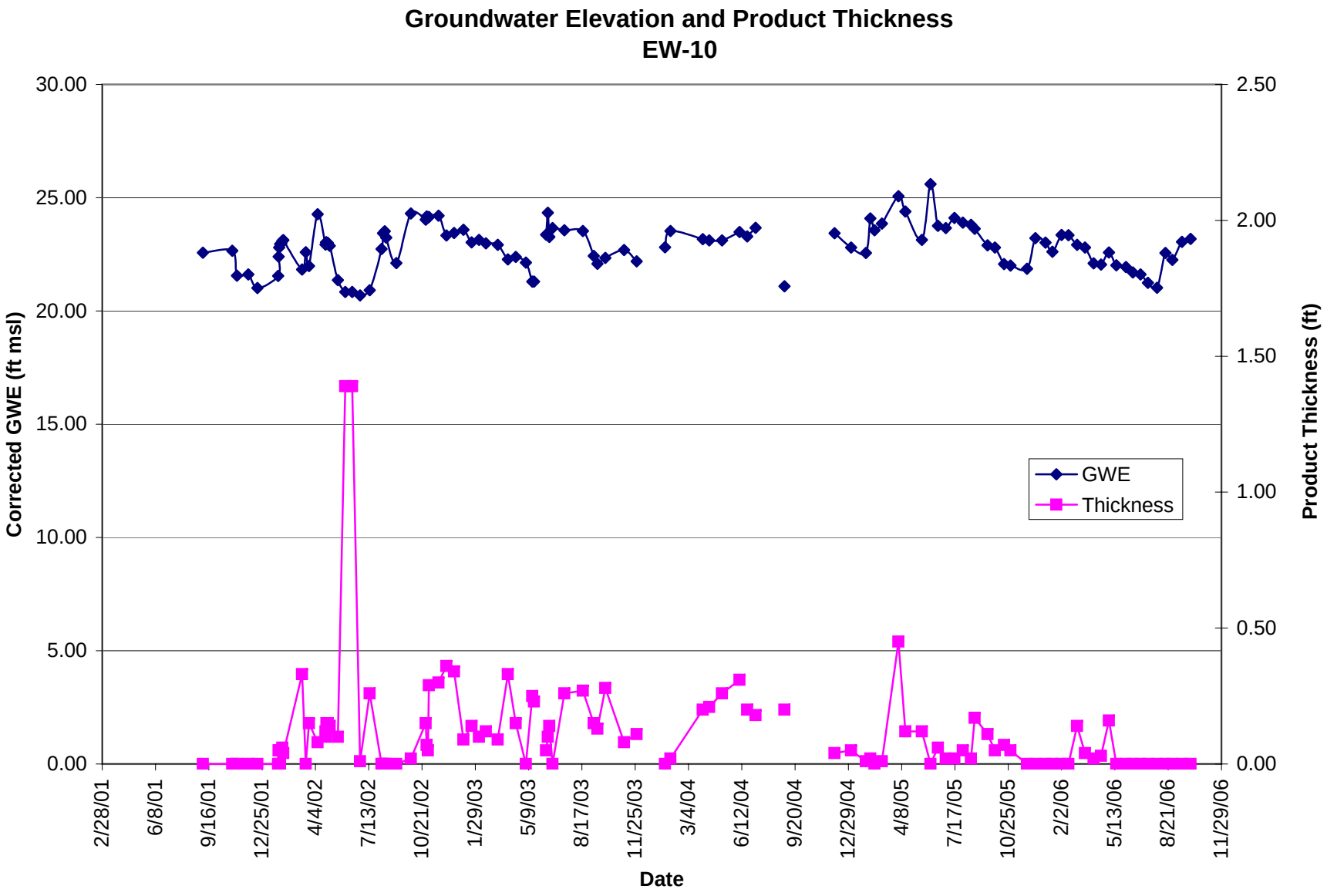
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-09
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-10
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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7/17/05
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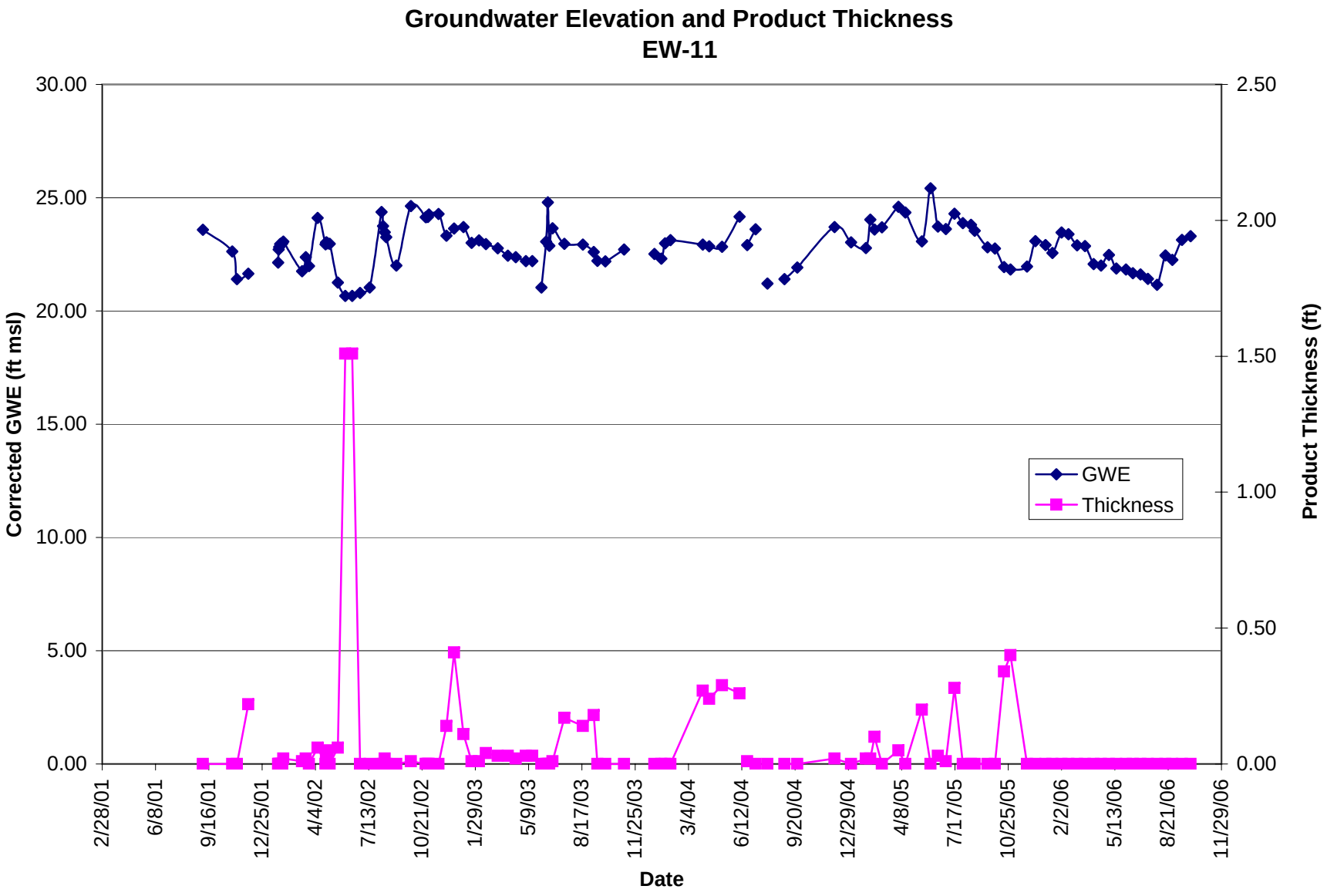
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-11
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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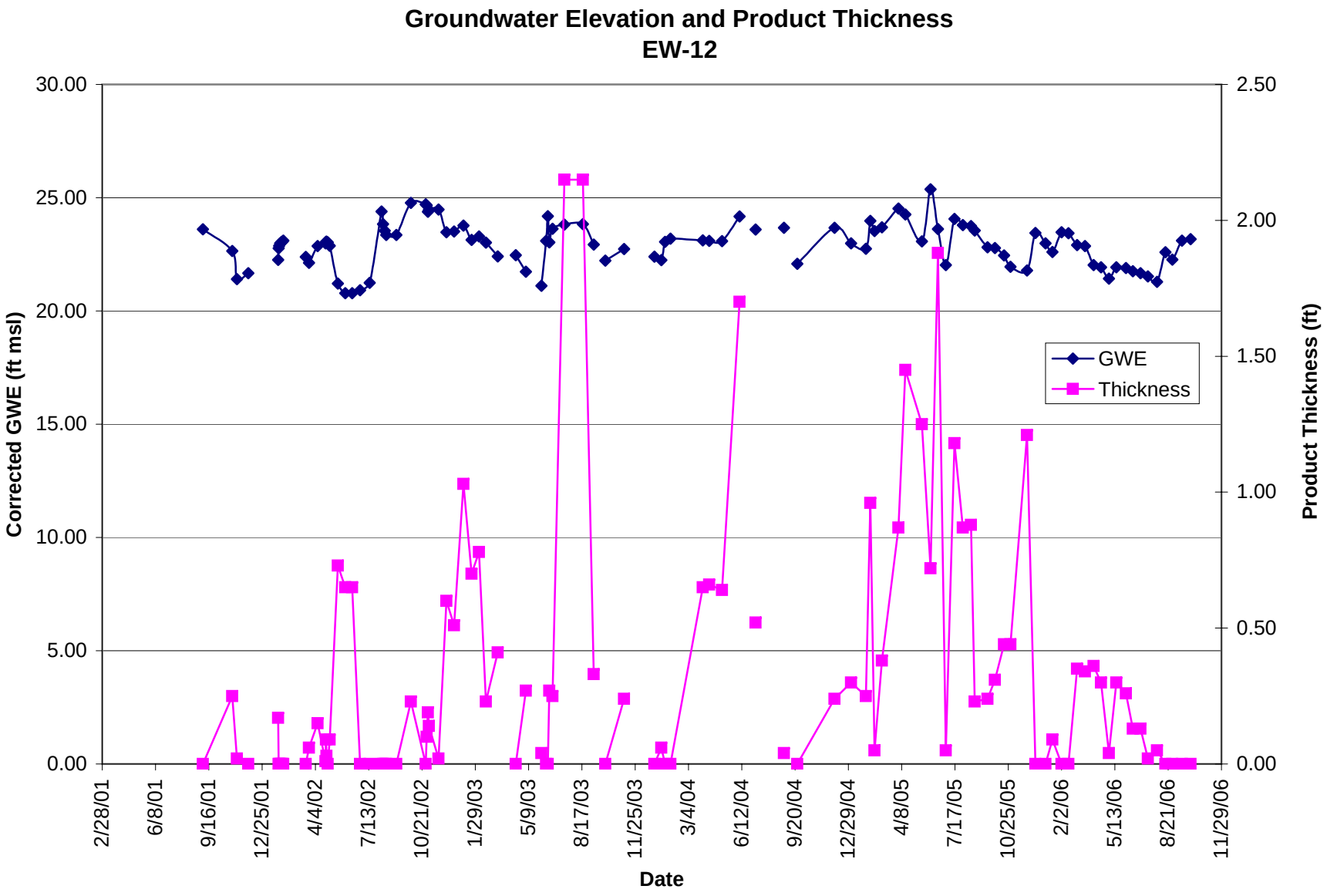
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-12
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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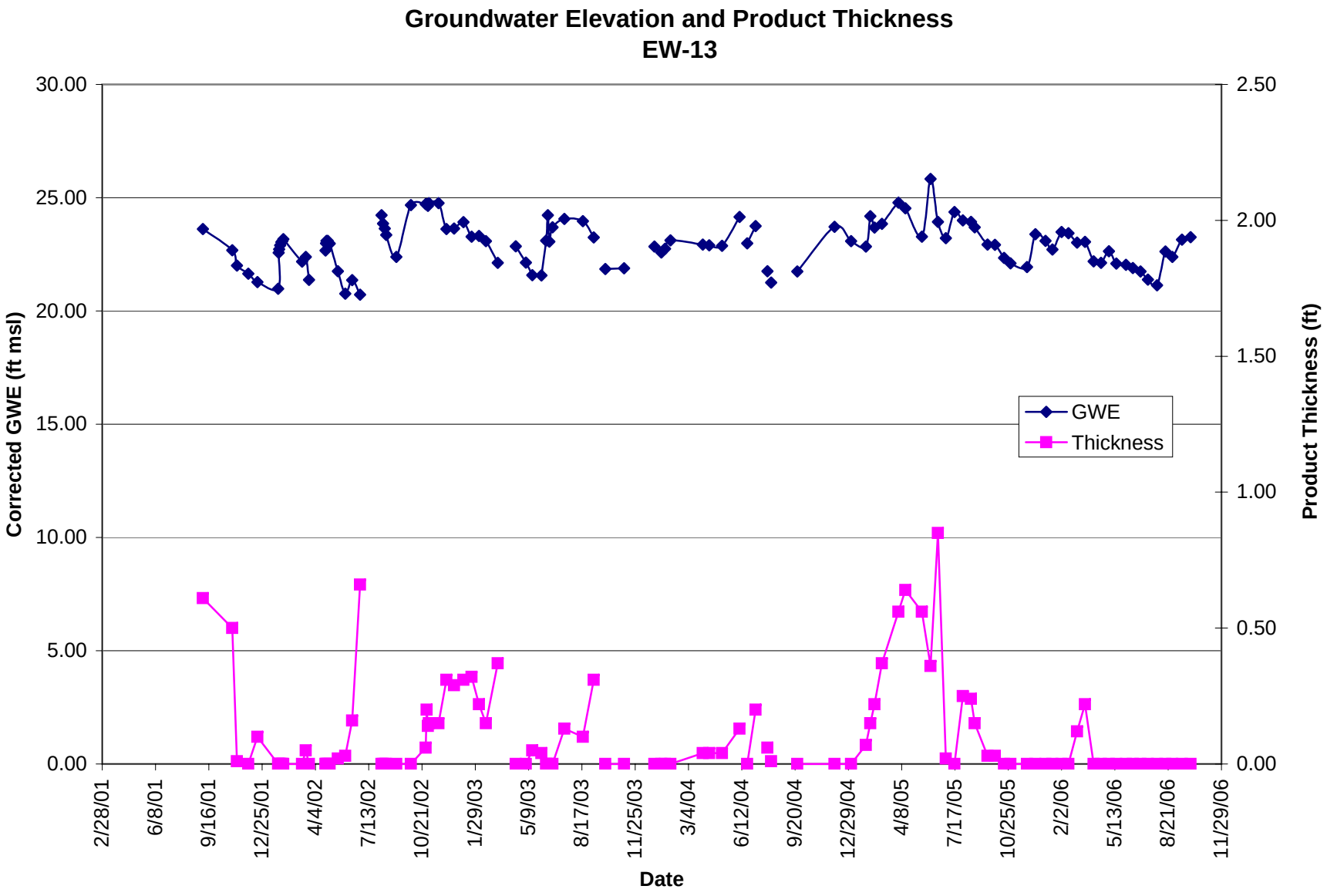
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-13
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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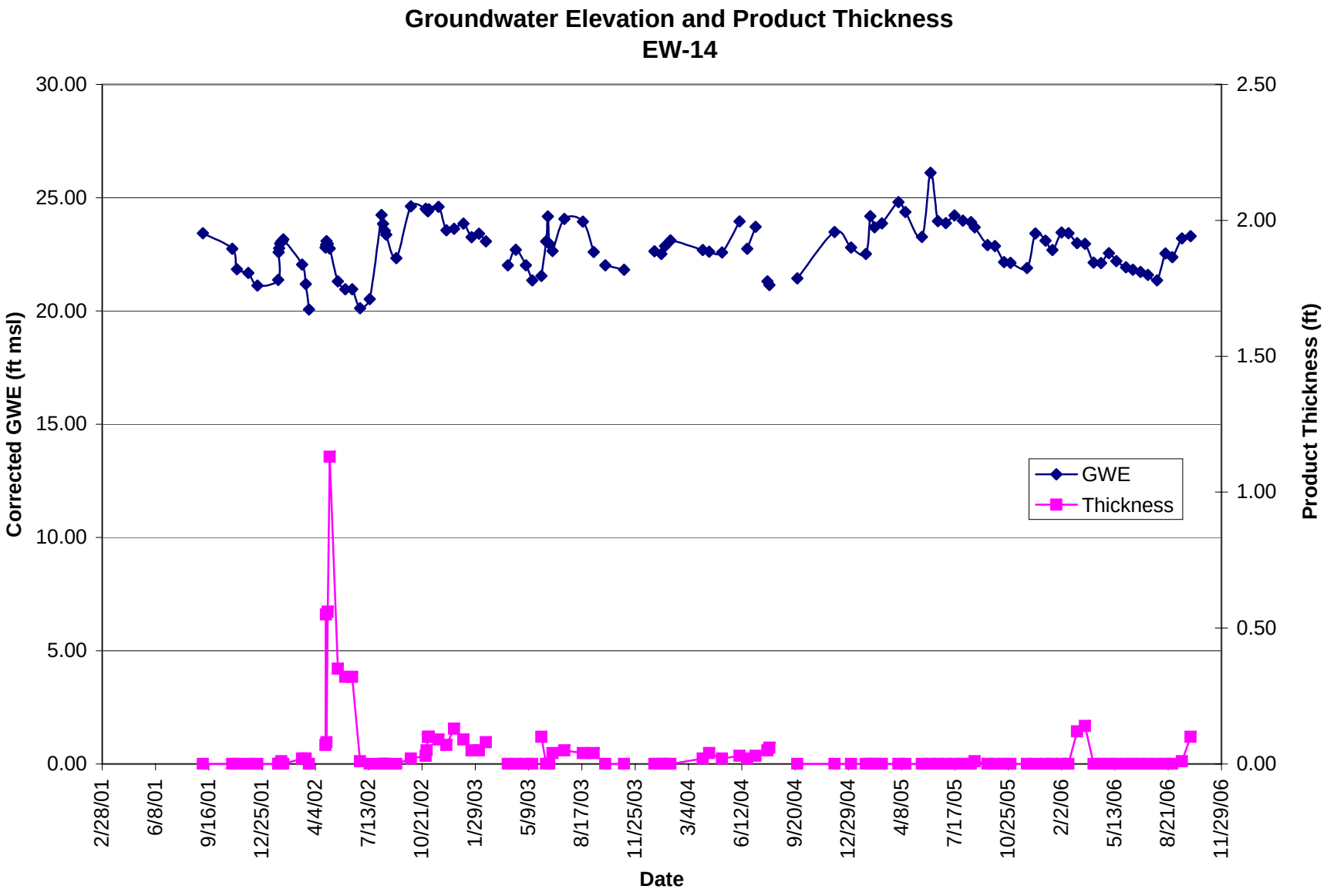
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-14
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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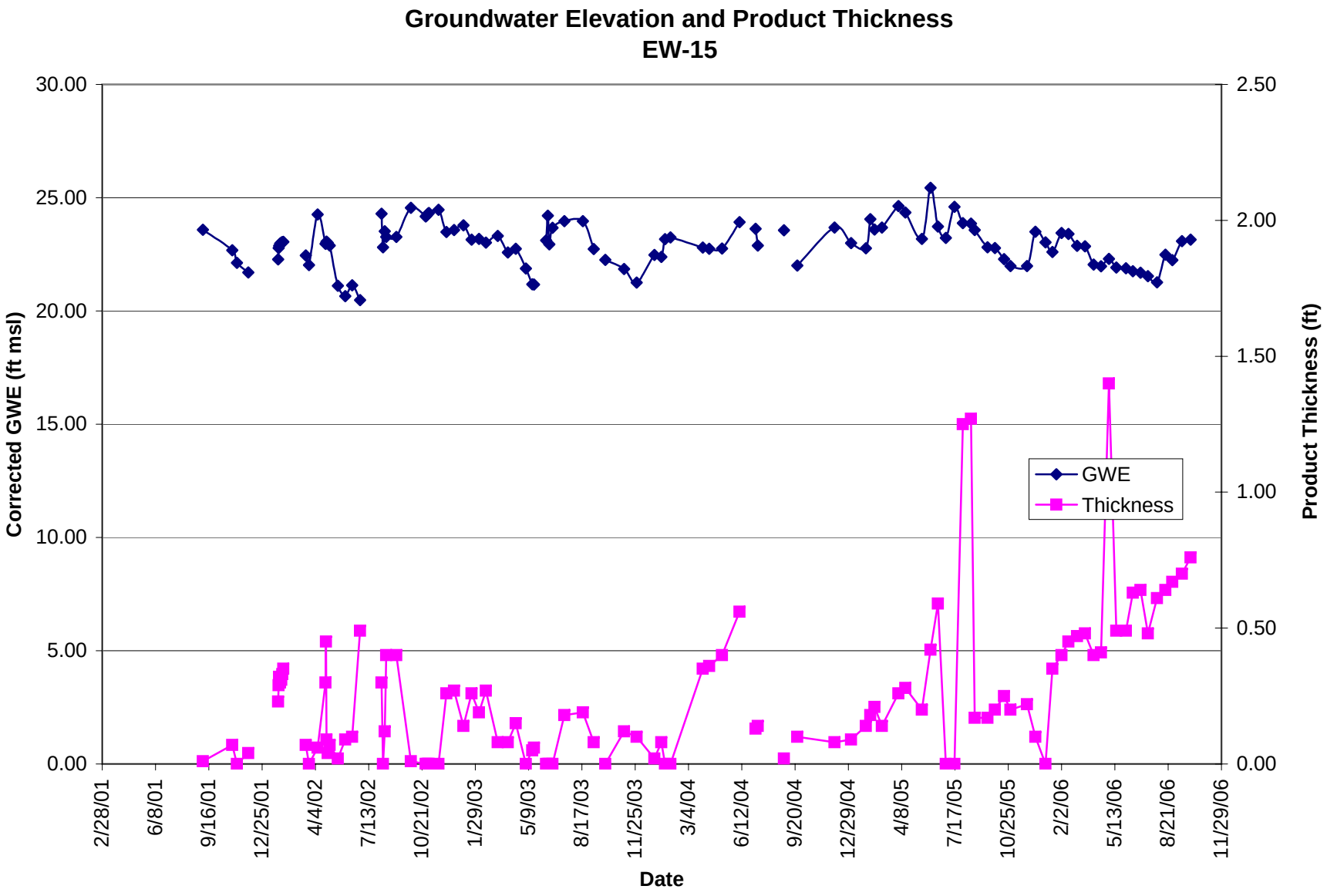
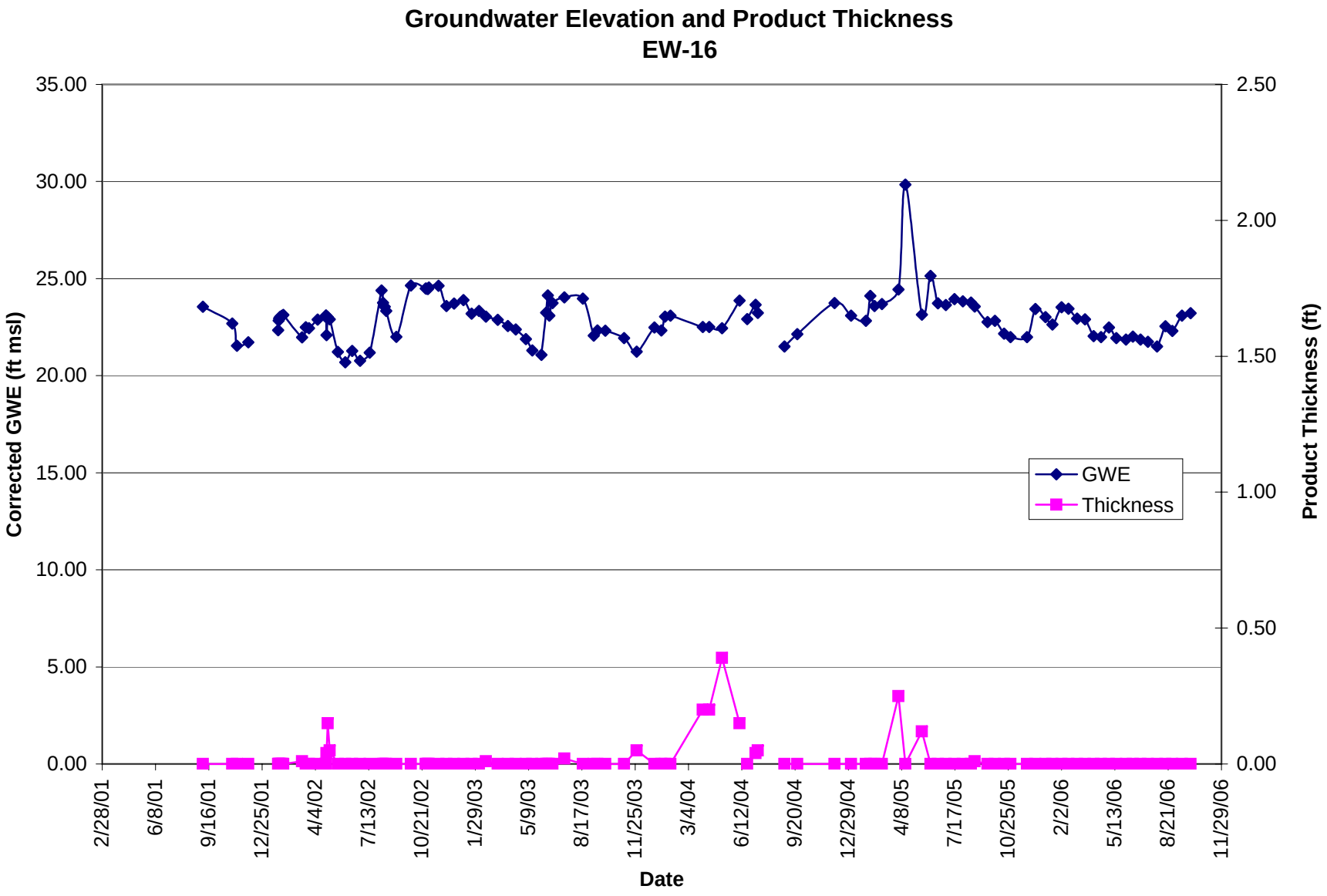
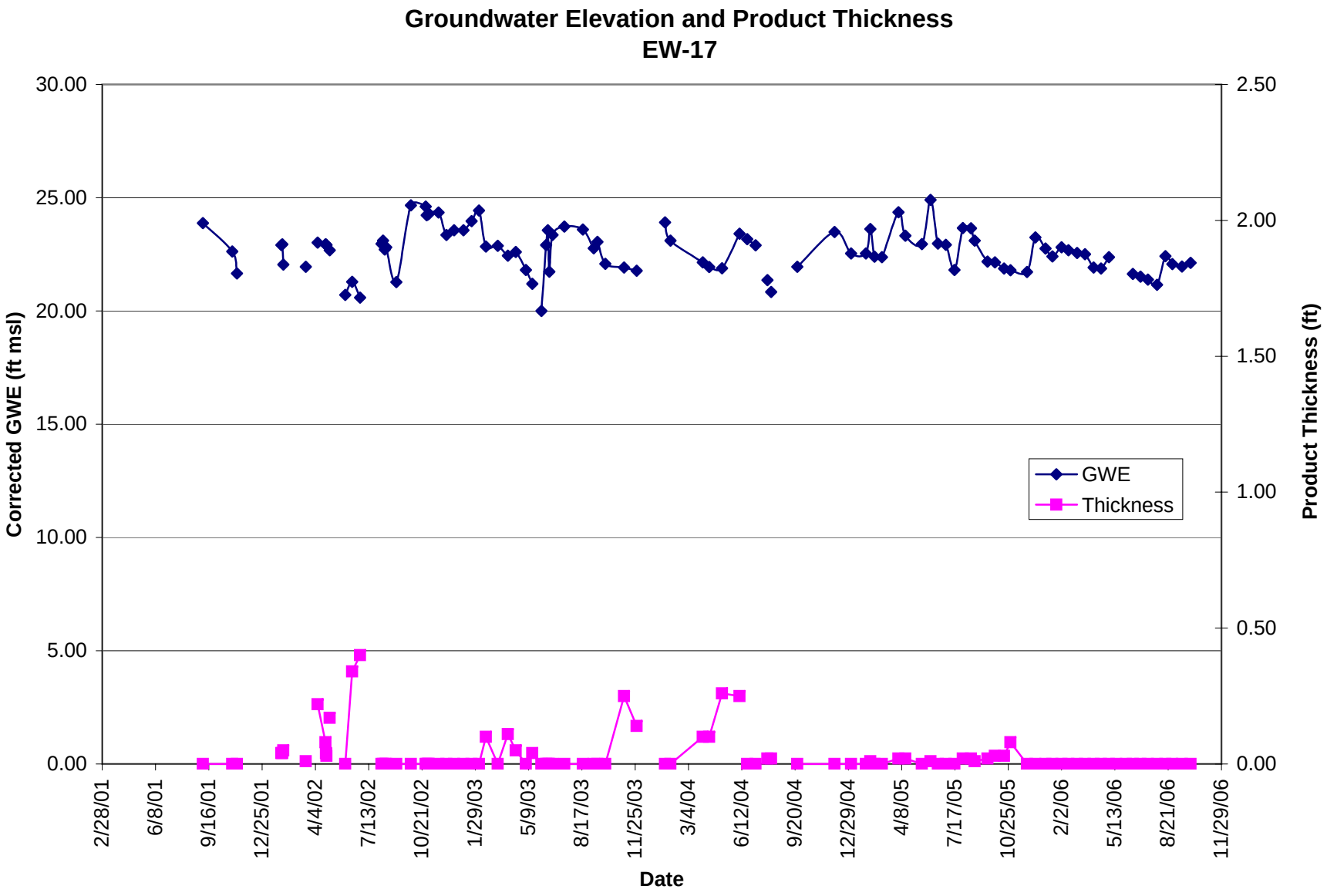
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-15
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-16
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-17
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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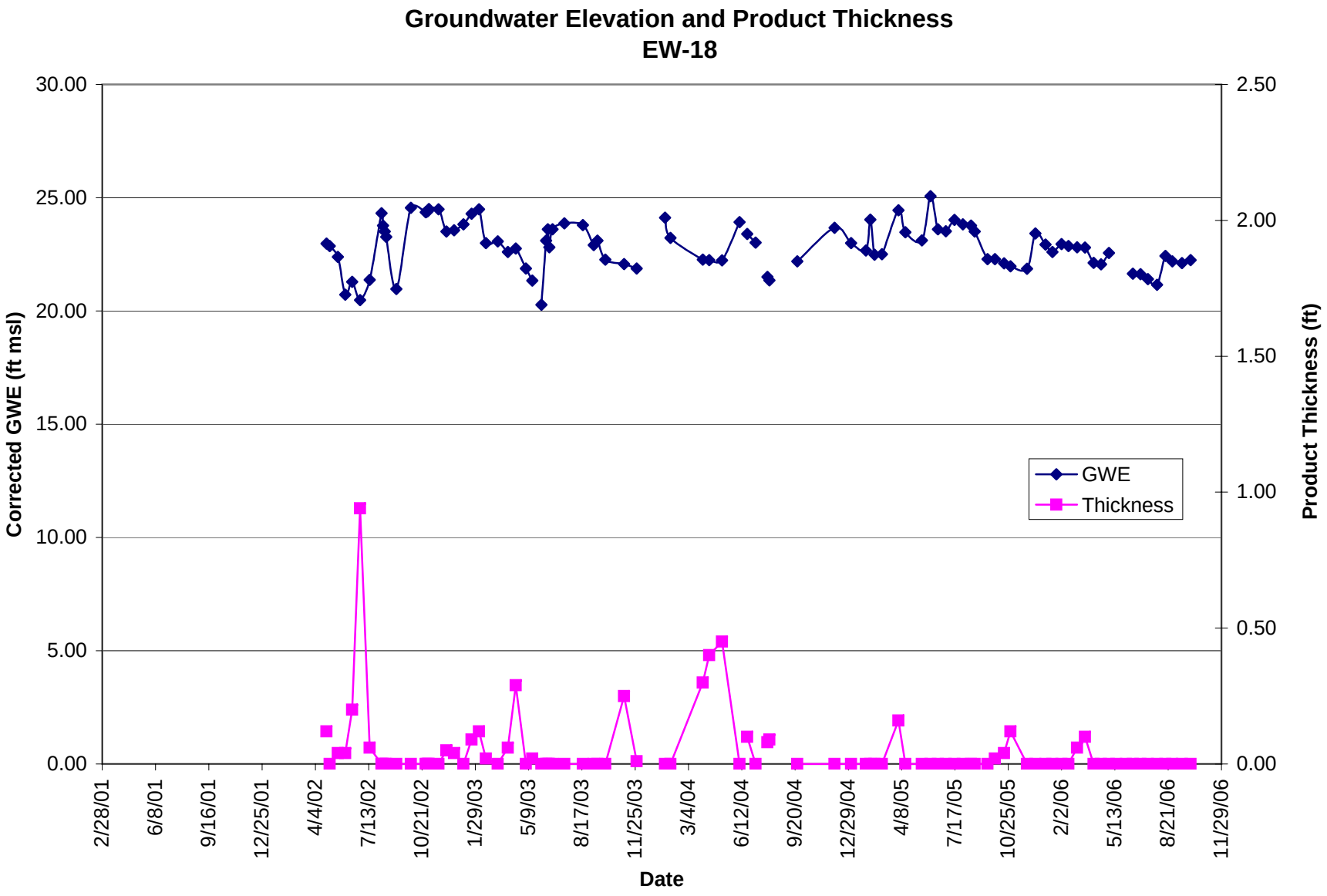
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-18
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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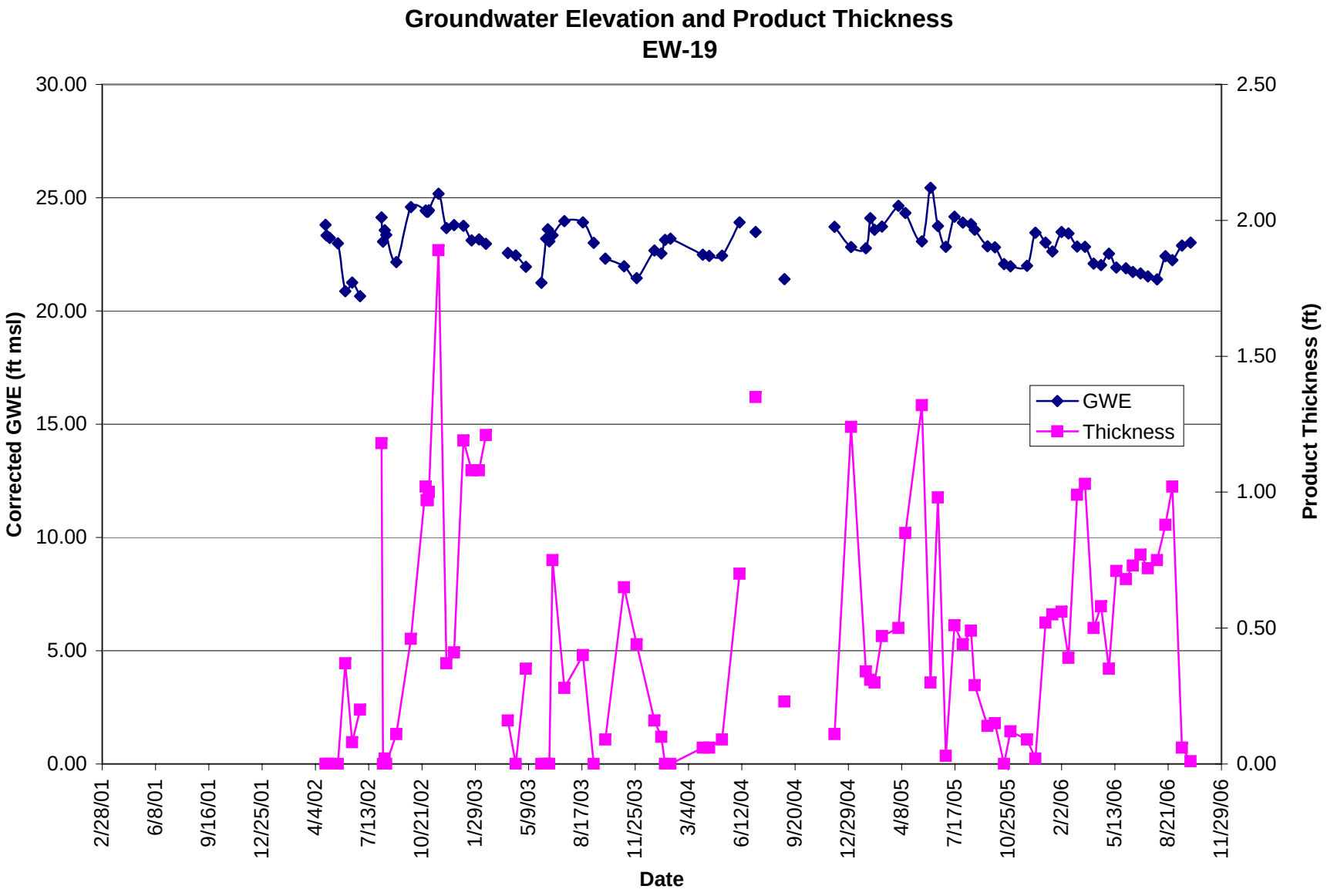
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-19
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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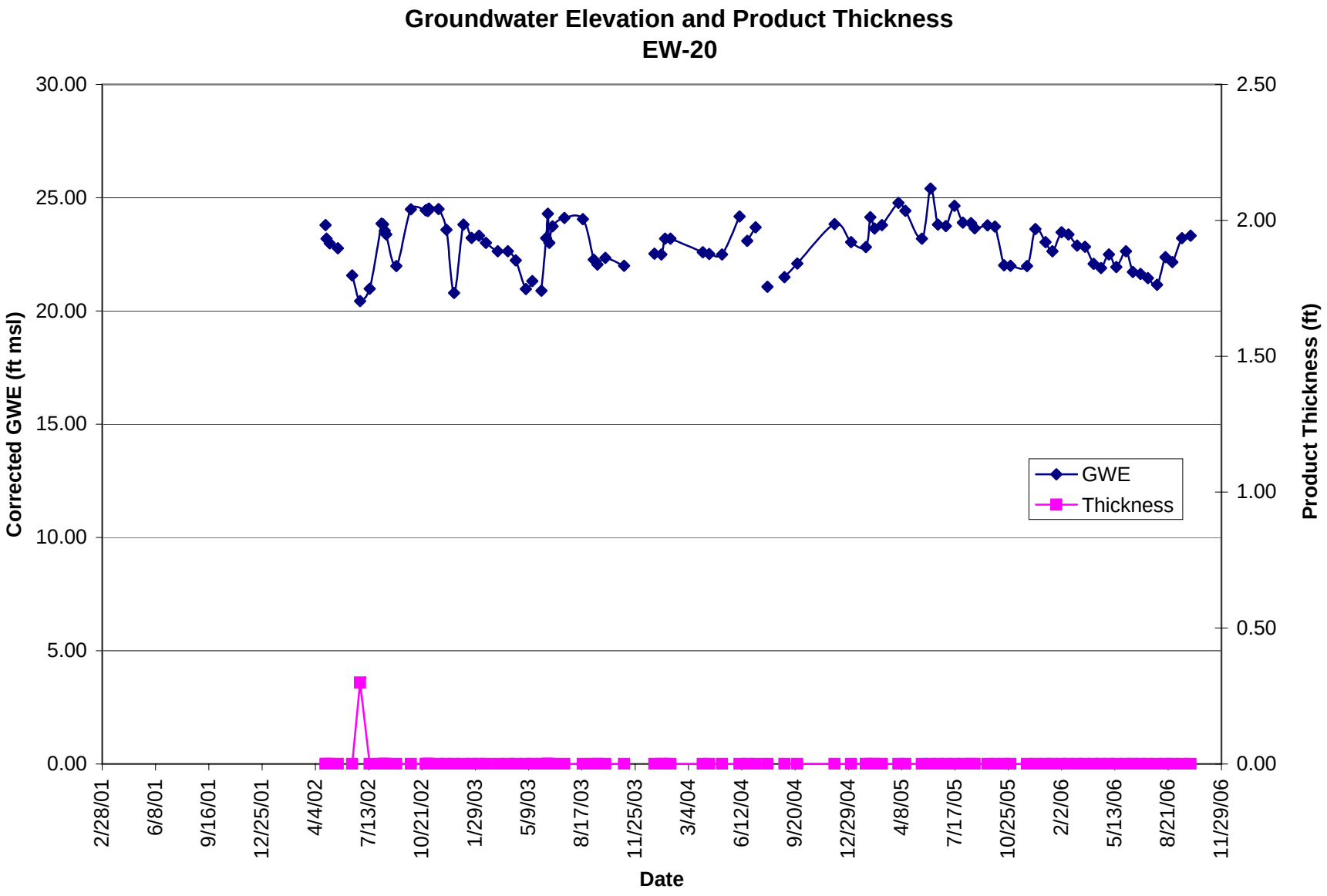
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-20
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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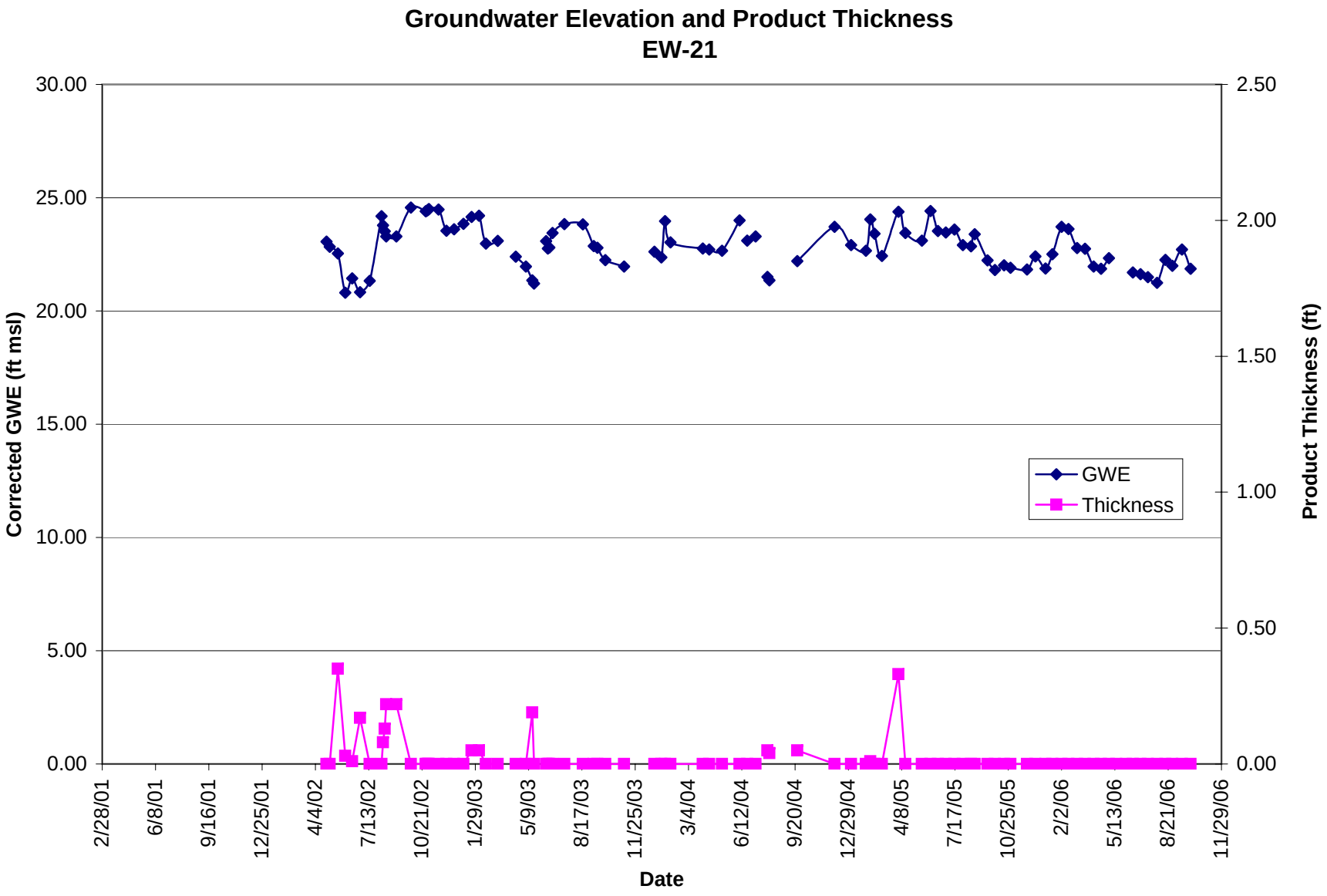
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-21
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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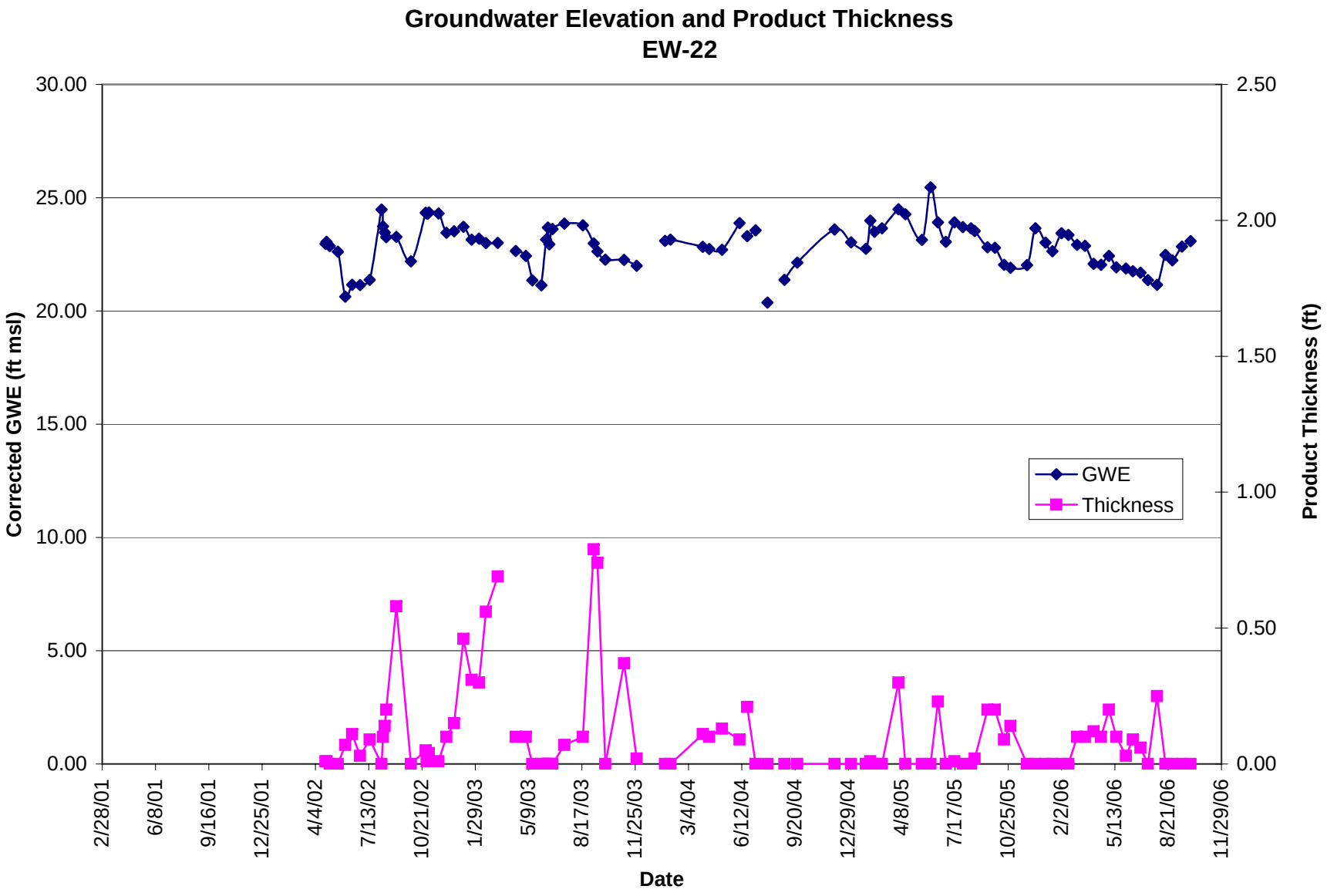
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-22
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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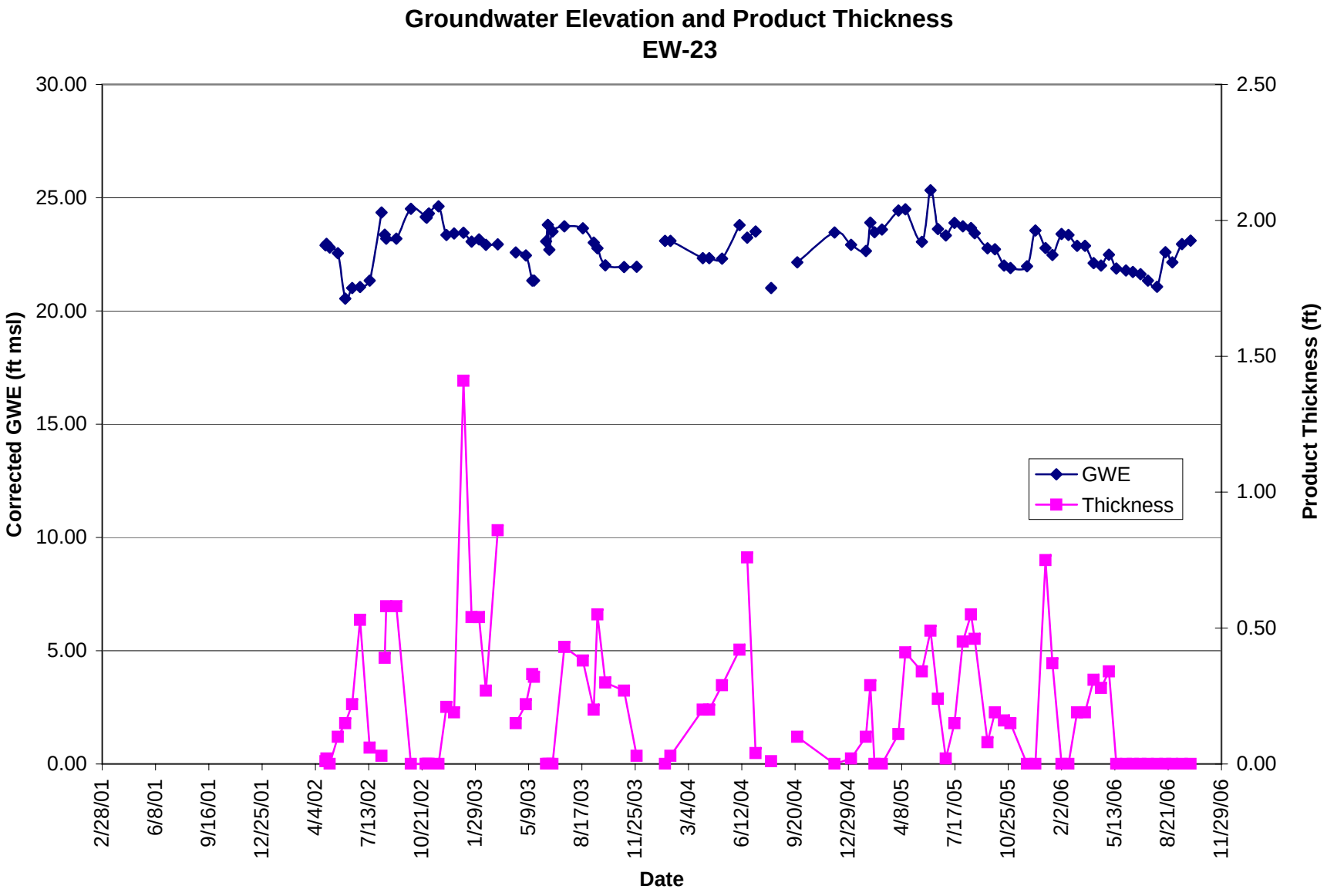
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
EW-23
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
2/28/01
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
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10/25/05
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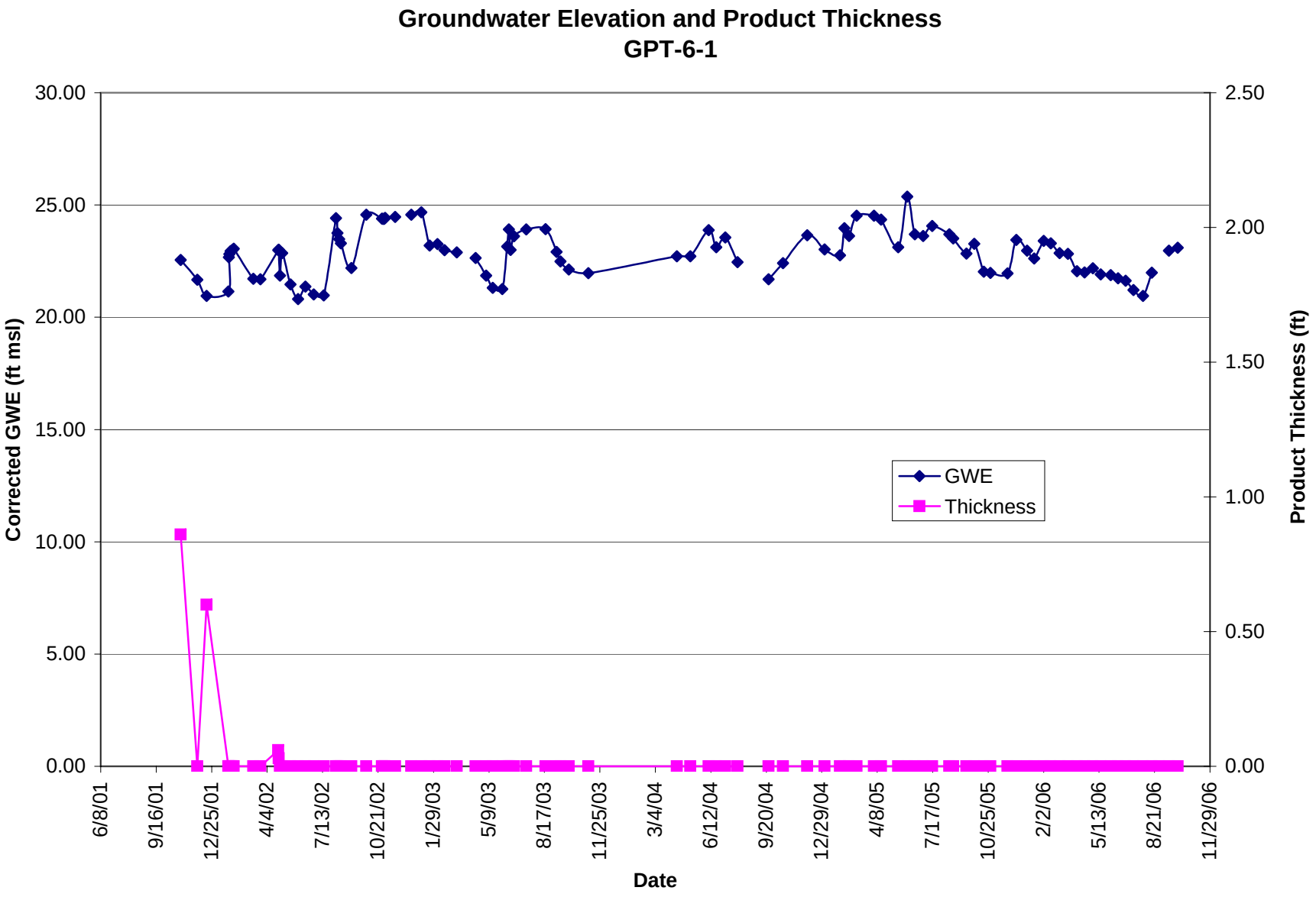
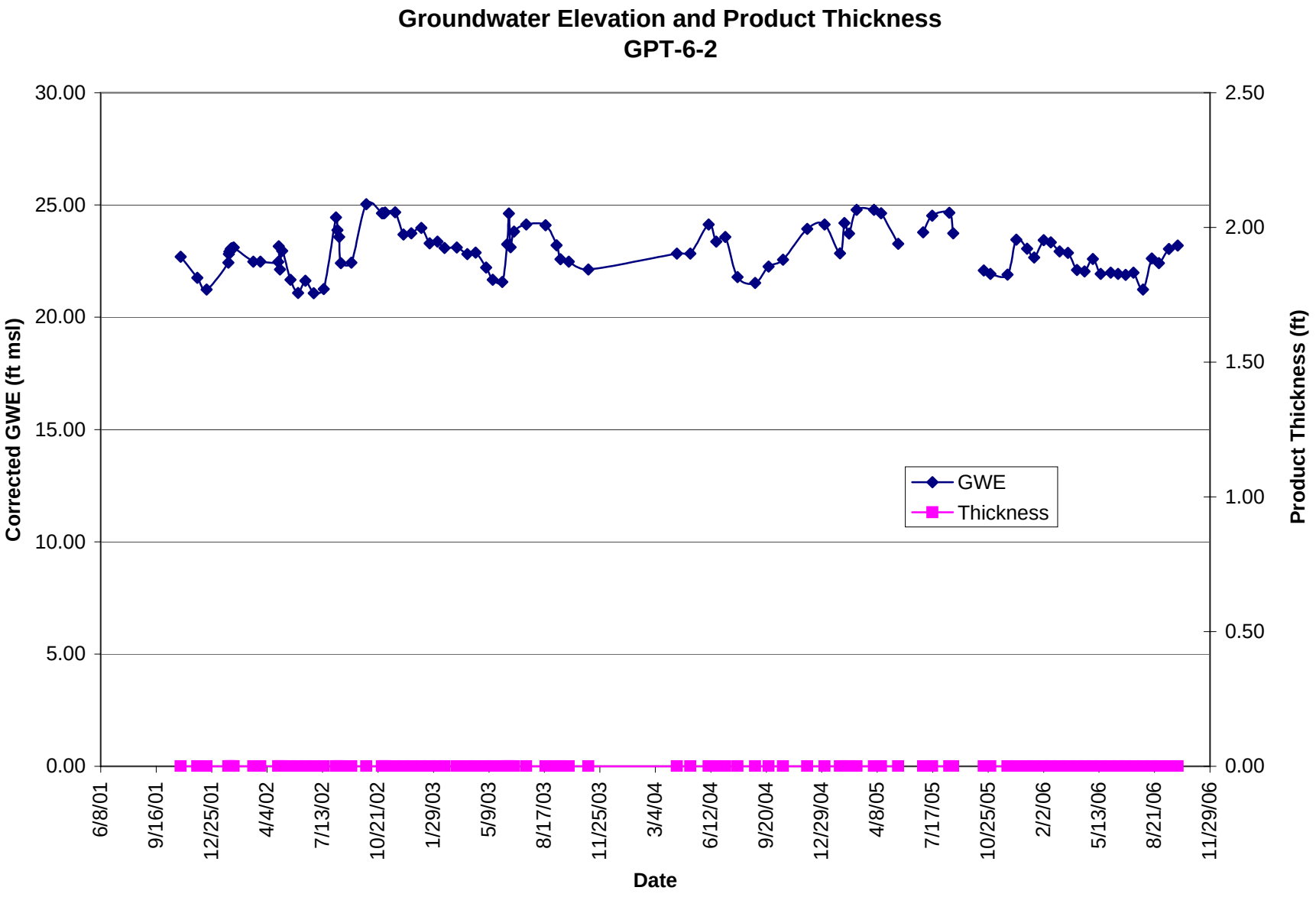
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
GPT-6-1
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
GPT-6-2
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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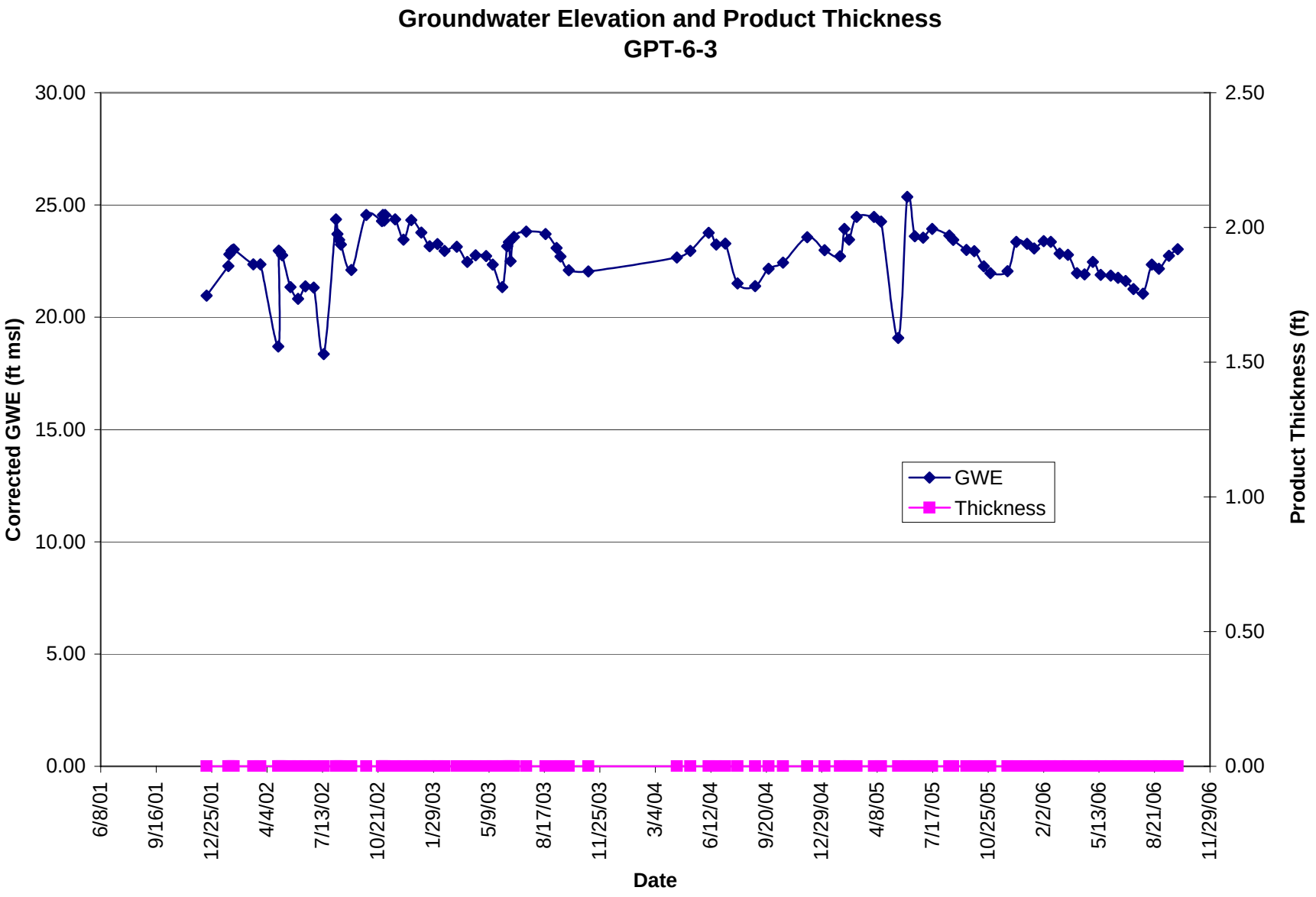
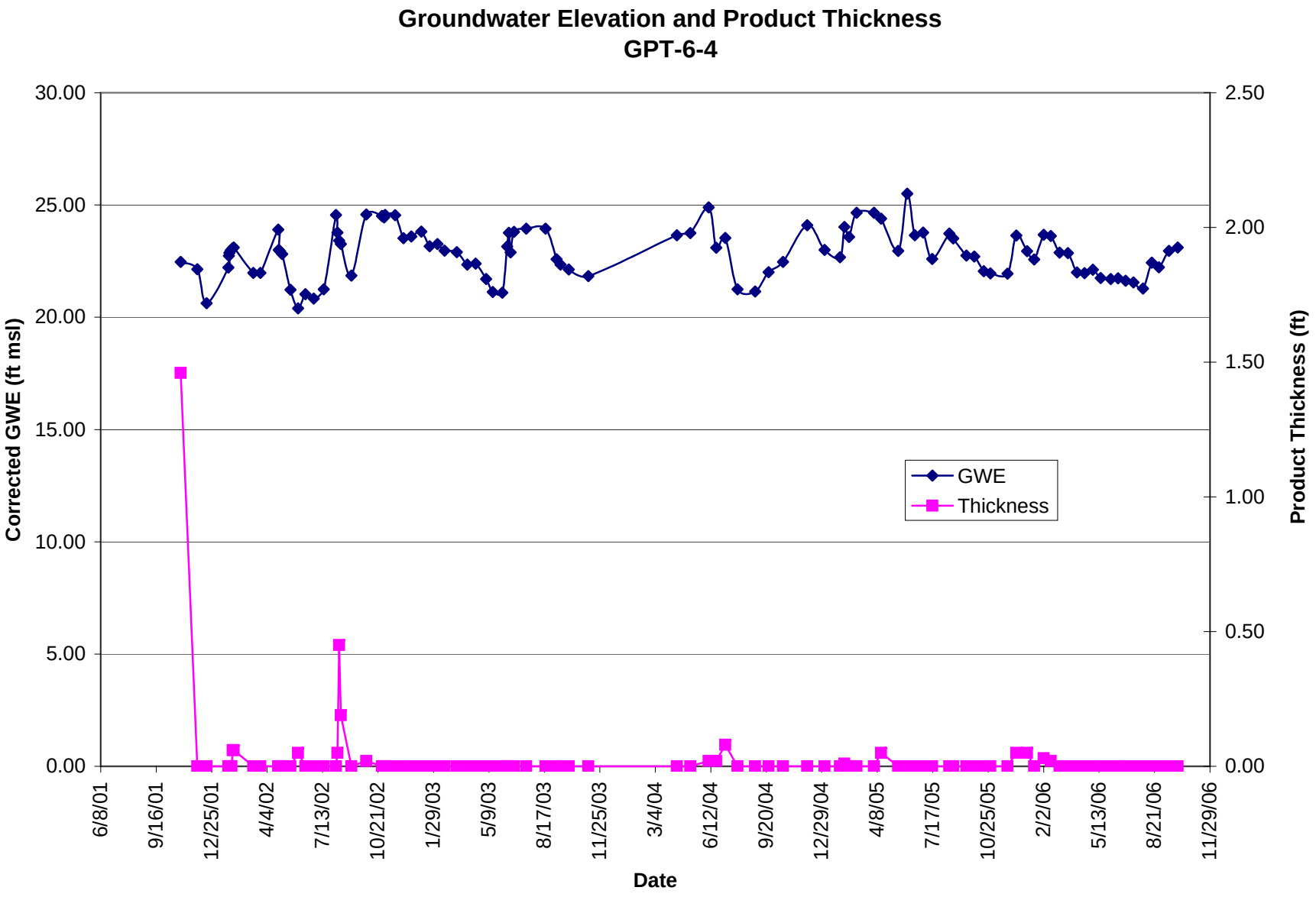
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
GPT-6-3
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
GPT-6-4
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
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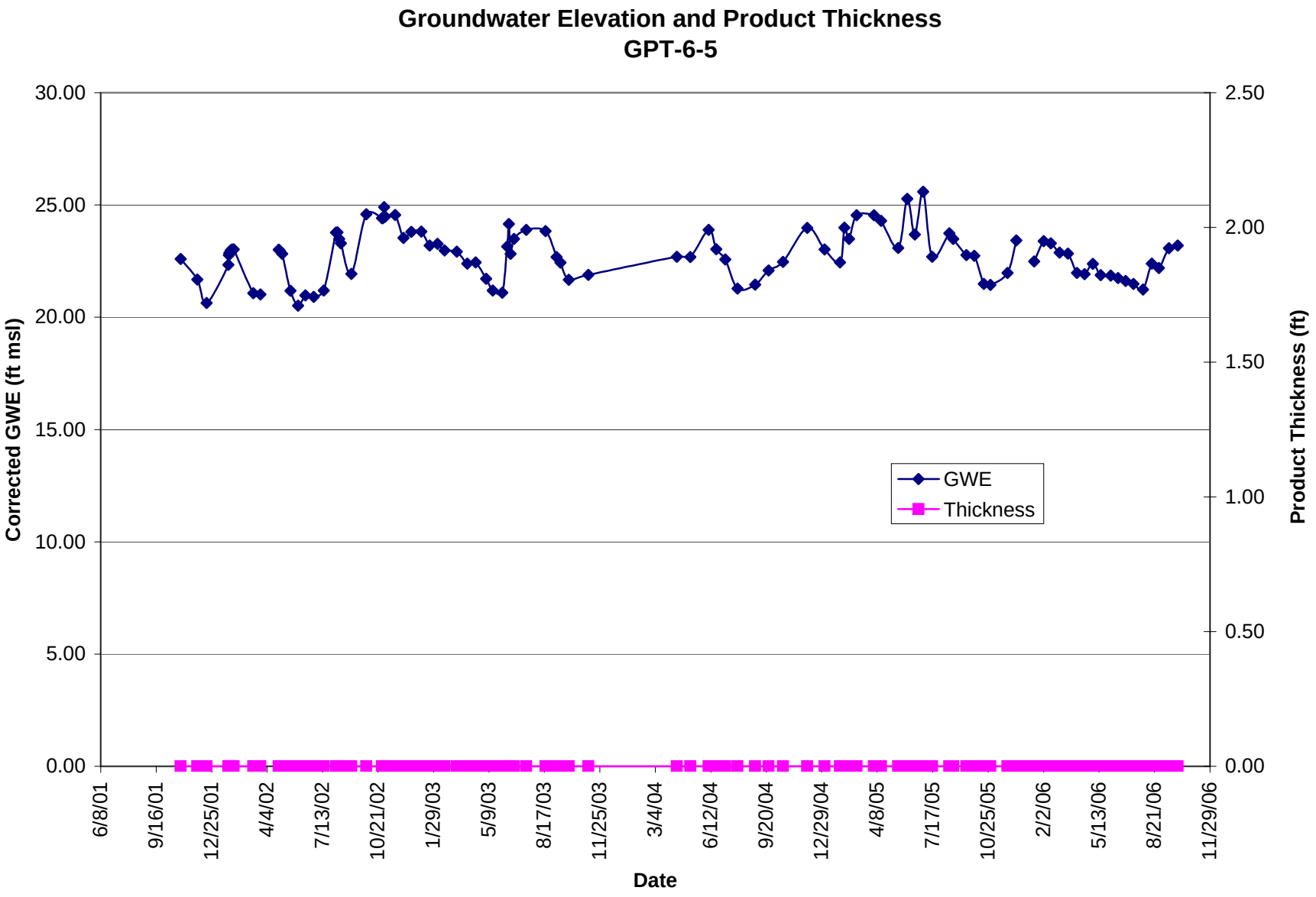
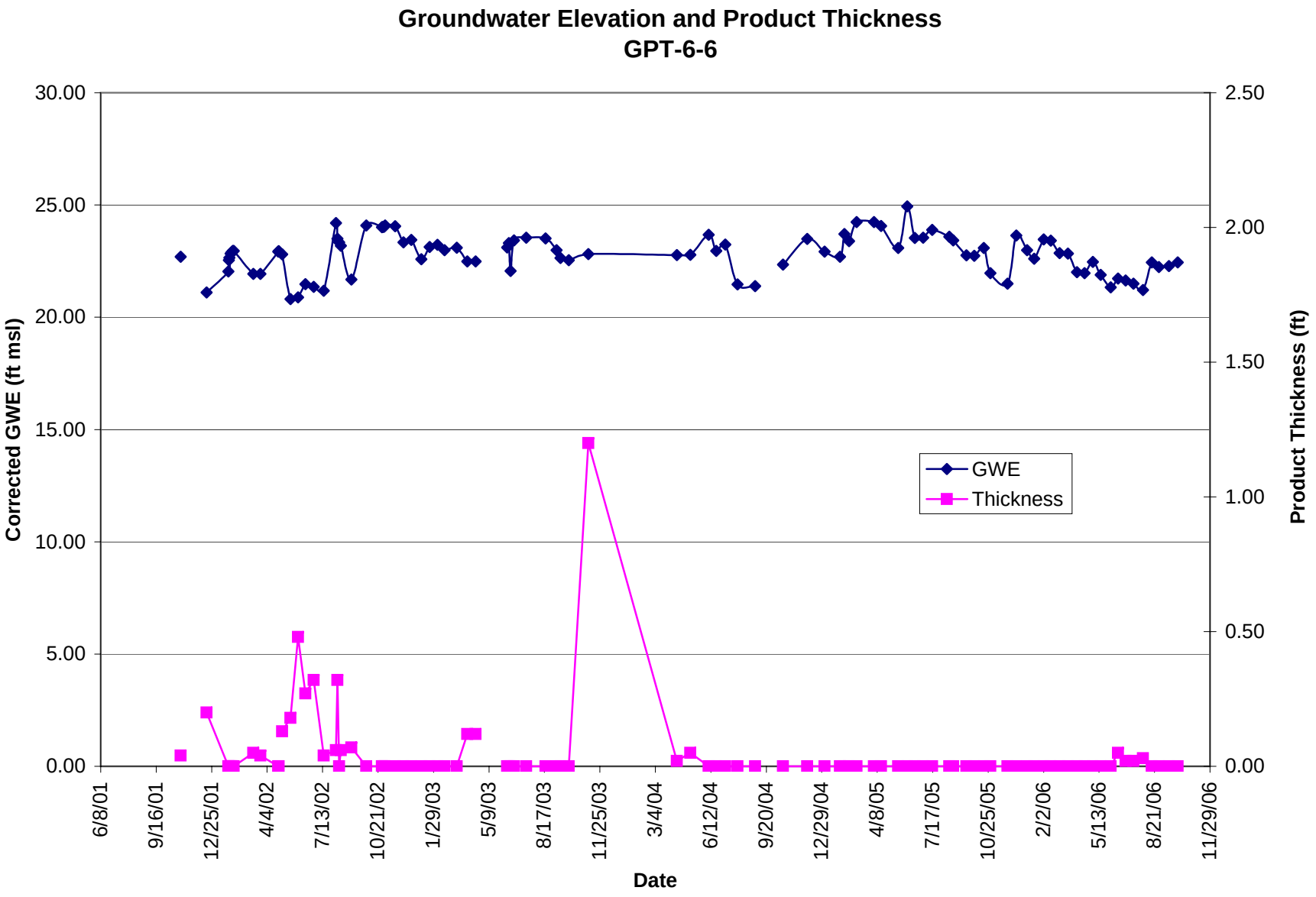
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
GPT-6-5
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06


Groundwater Elevation and Product Thickness
GPT-6-6
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
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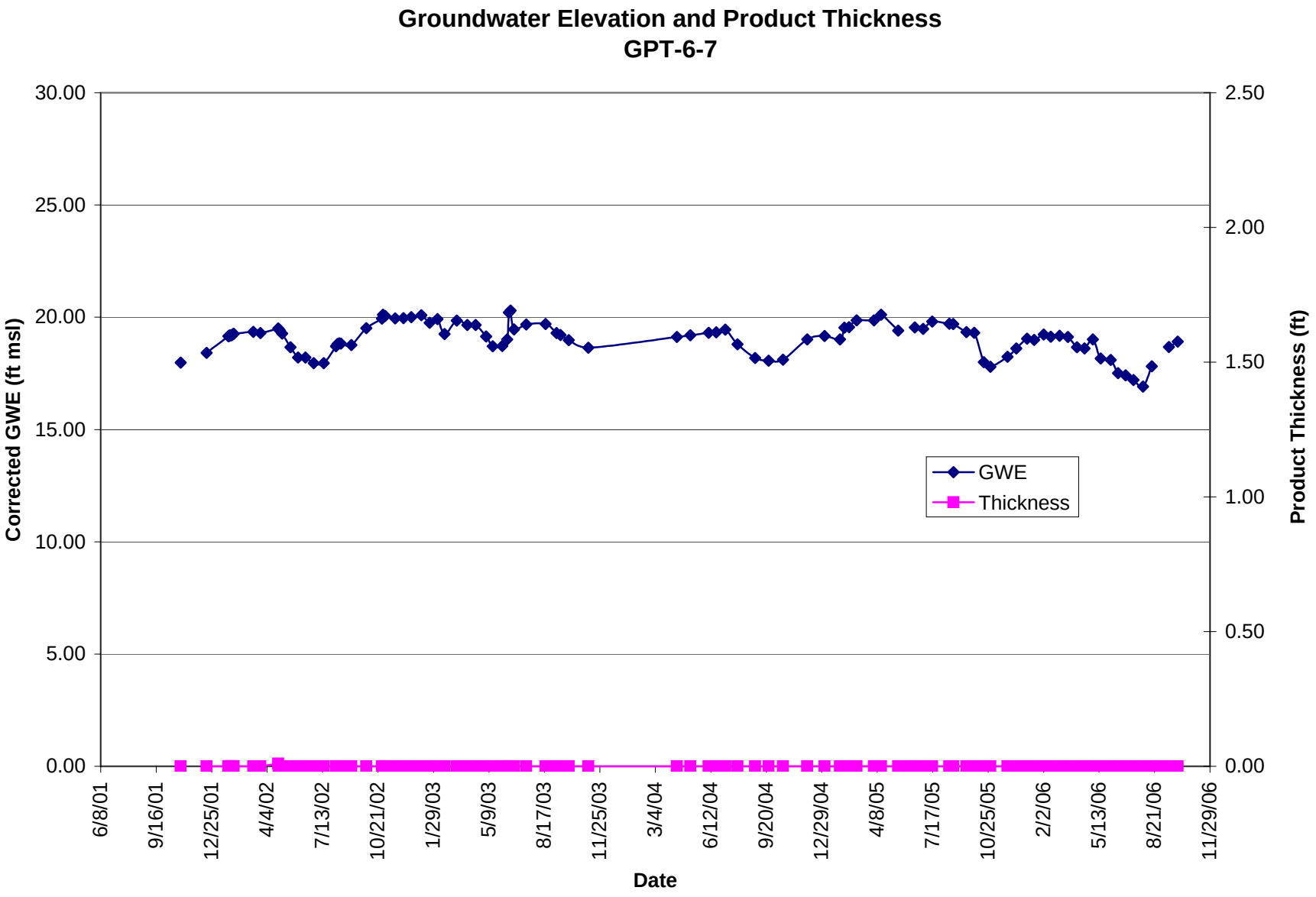
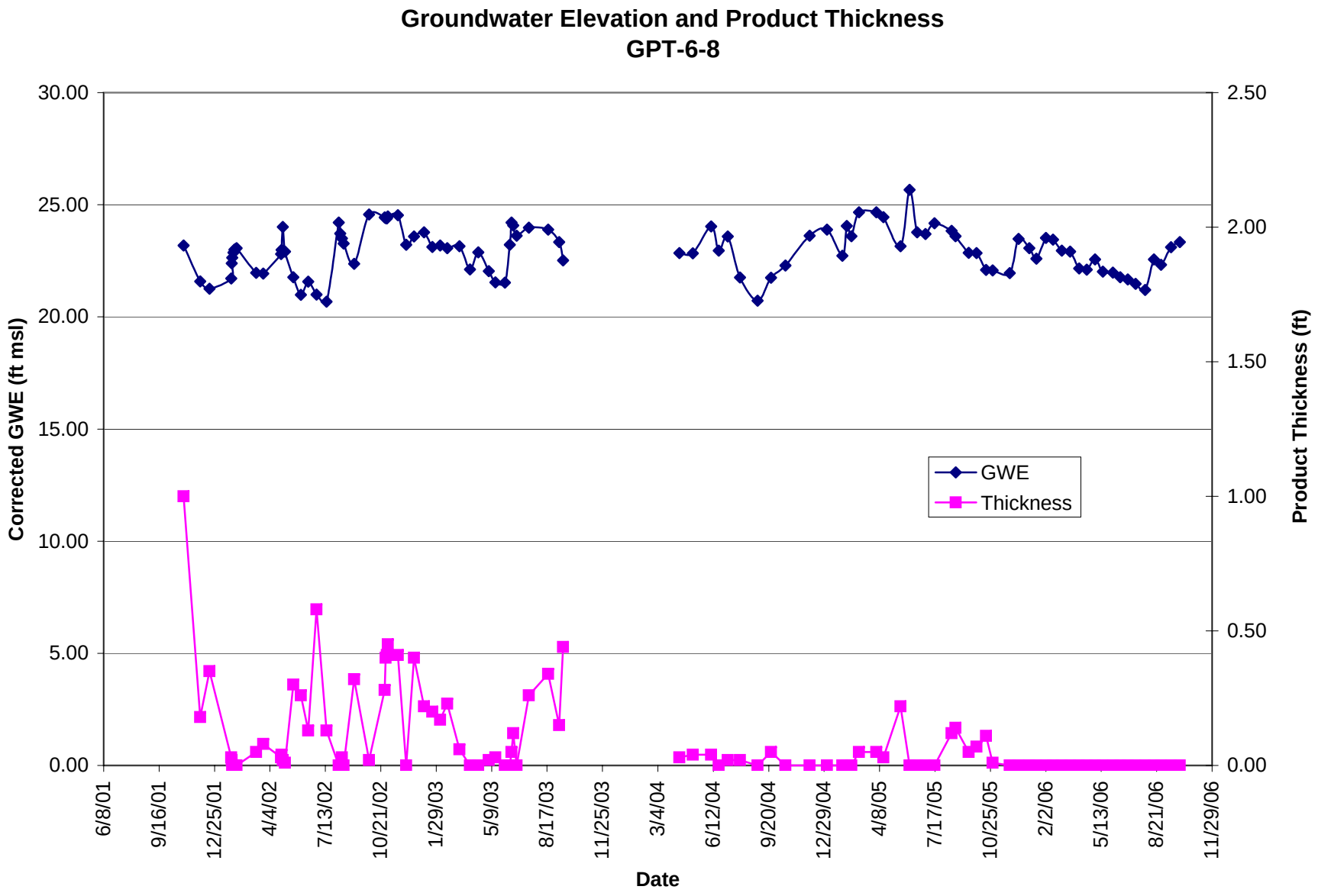
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06

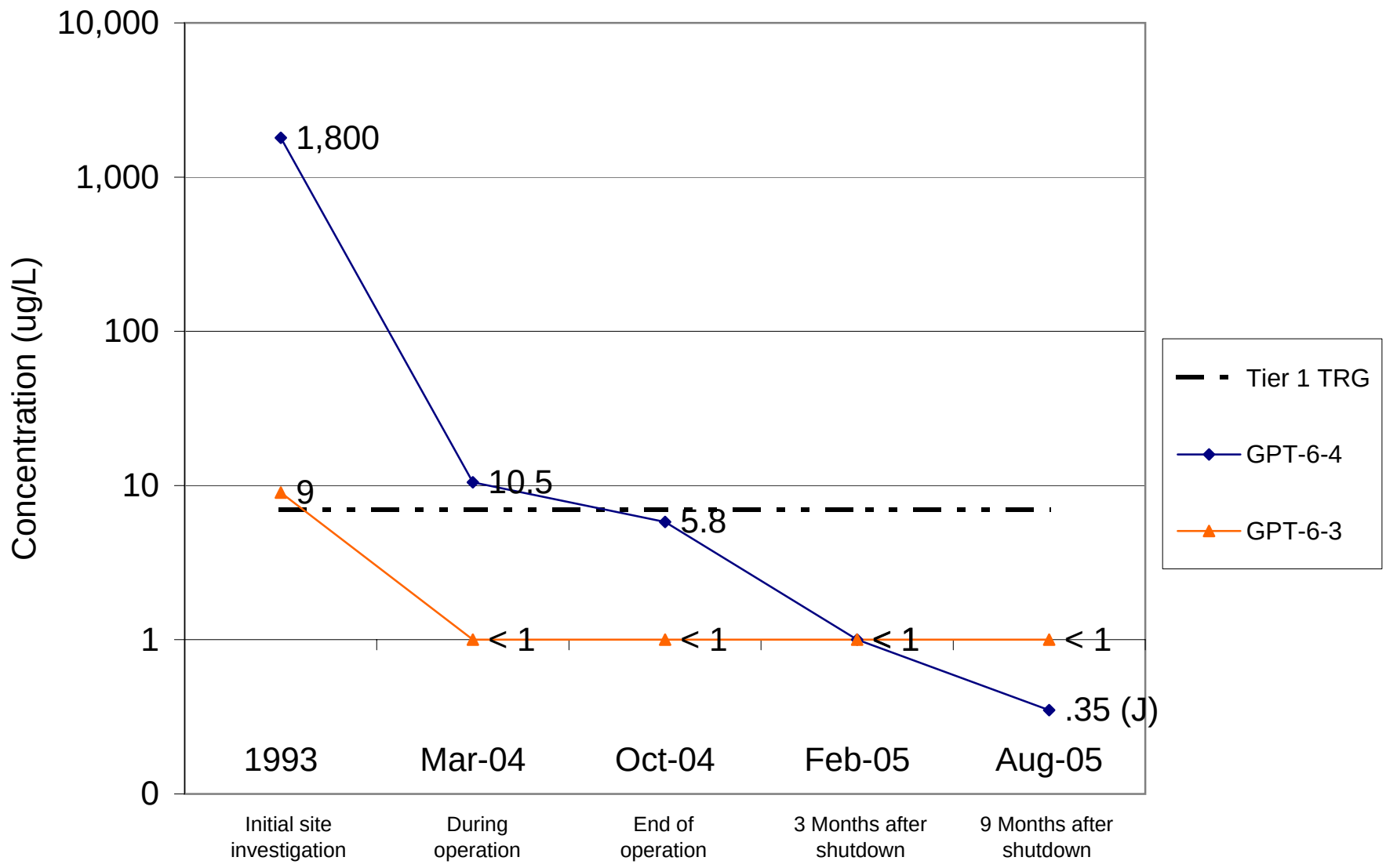

Groundwater Elevation and Product Thickness
GPT-6-7
Corrected GWE (ft msl)
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Product Thickness (ft)
2.50
2.00
1.50
1.00
0.50
0.00
GWE
Thickness
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06
Date


Groundwater Elevation and Product Thickness
GPT-6-8
Corrected GWE (ft msl)
Product Thickness (ft)
Date
GWE
Thickness
30.00
25.00
20.00
15.00
10.00
5.00
0.00
2.50
2.00
1.50
1.00
0.50
0.00
6/8/01
9/16/01
12/25/01
4/4/02
7/13/02
10/21/02
1/29/03
5/9/03
8/17/03
11/25/03
3/4/04
6/12/04
9/20/04
12/29/04
4/8/05
7/17/05
10/25/05
2/2/06
5/13/06
8/21/06
11/29/06

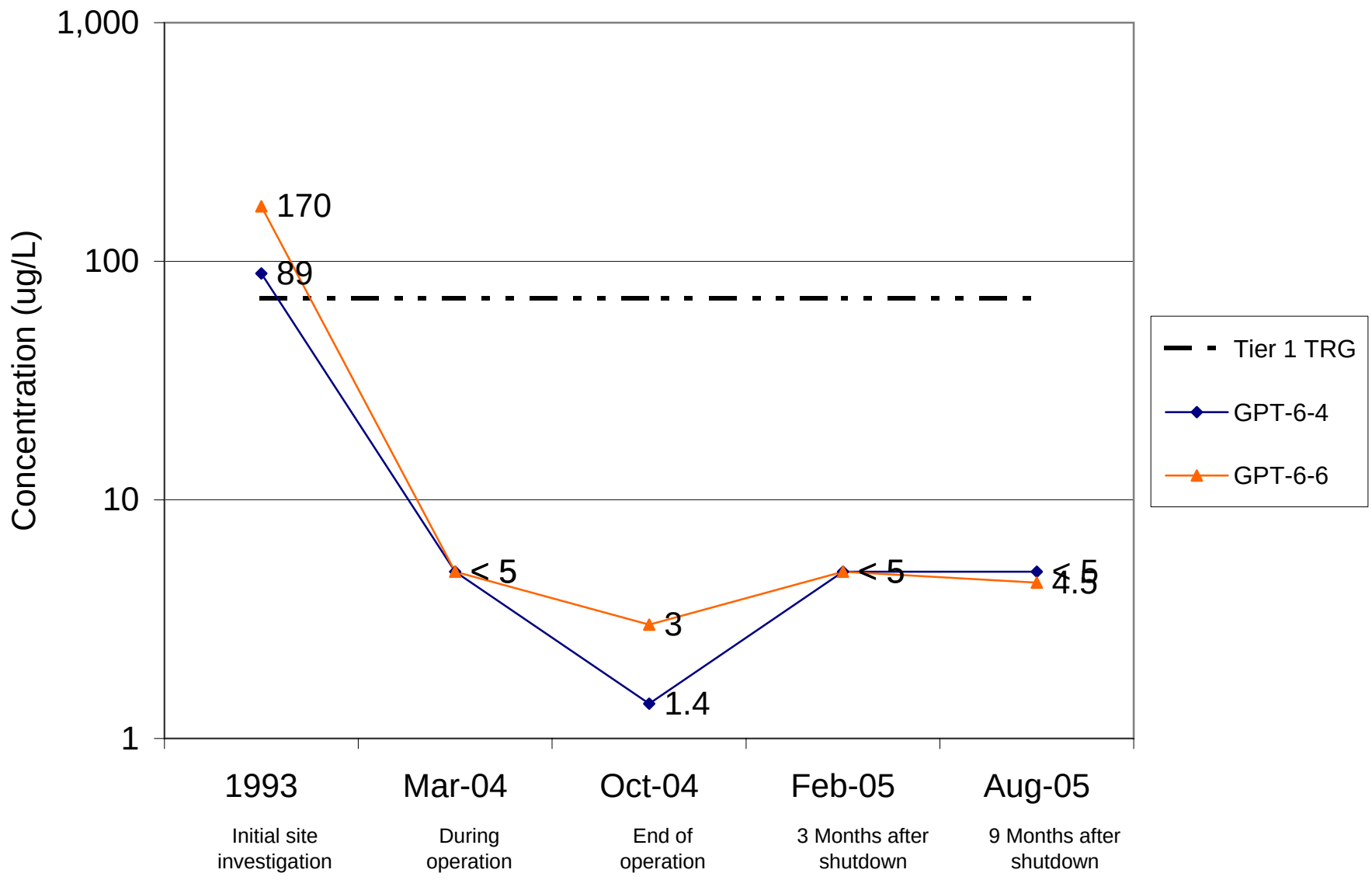
ATTACHMENT 2:

Graphs Showing Contaminant Concentrations for Contaminants Over Time with Historical Levels Exceeding Federal MCLs

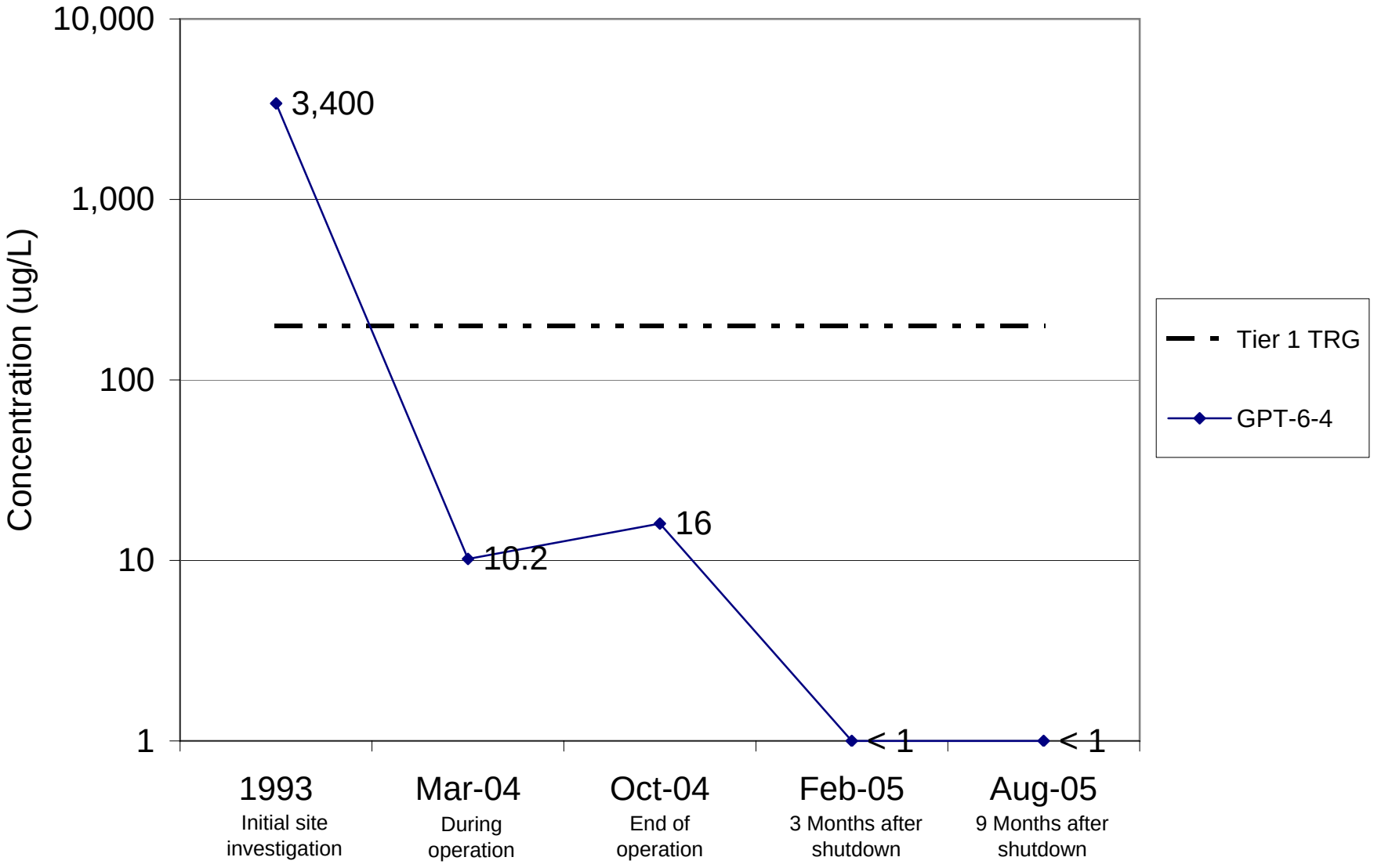
1,1-Dichloroethene concentrations for wells with historical levels above the Tier 1 TRGs



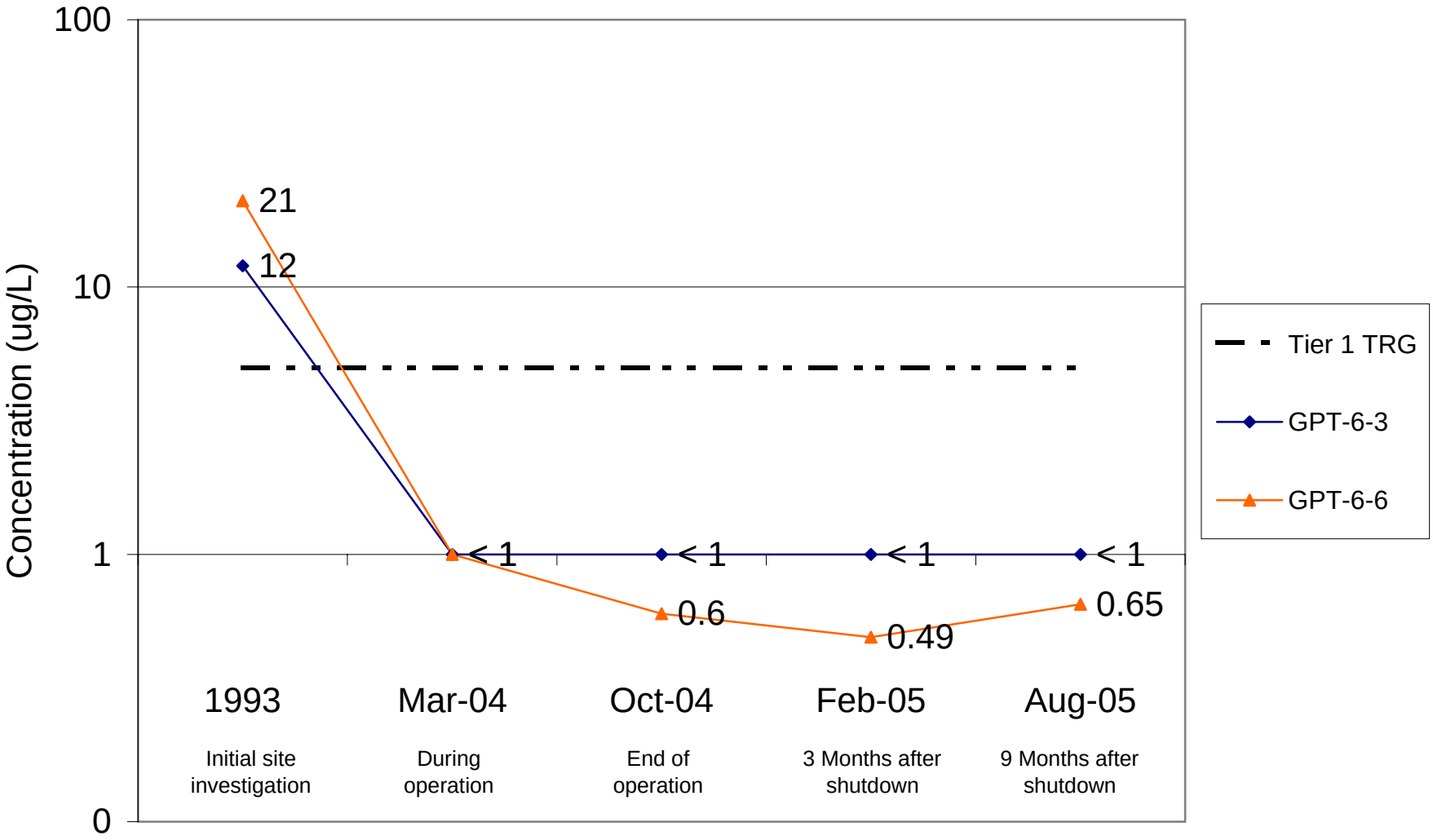
1,2-Dichloroethene (tot) concentrations for wells with historical levels above the Tier 1 TRGs



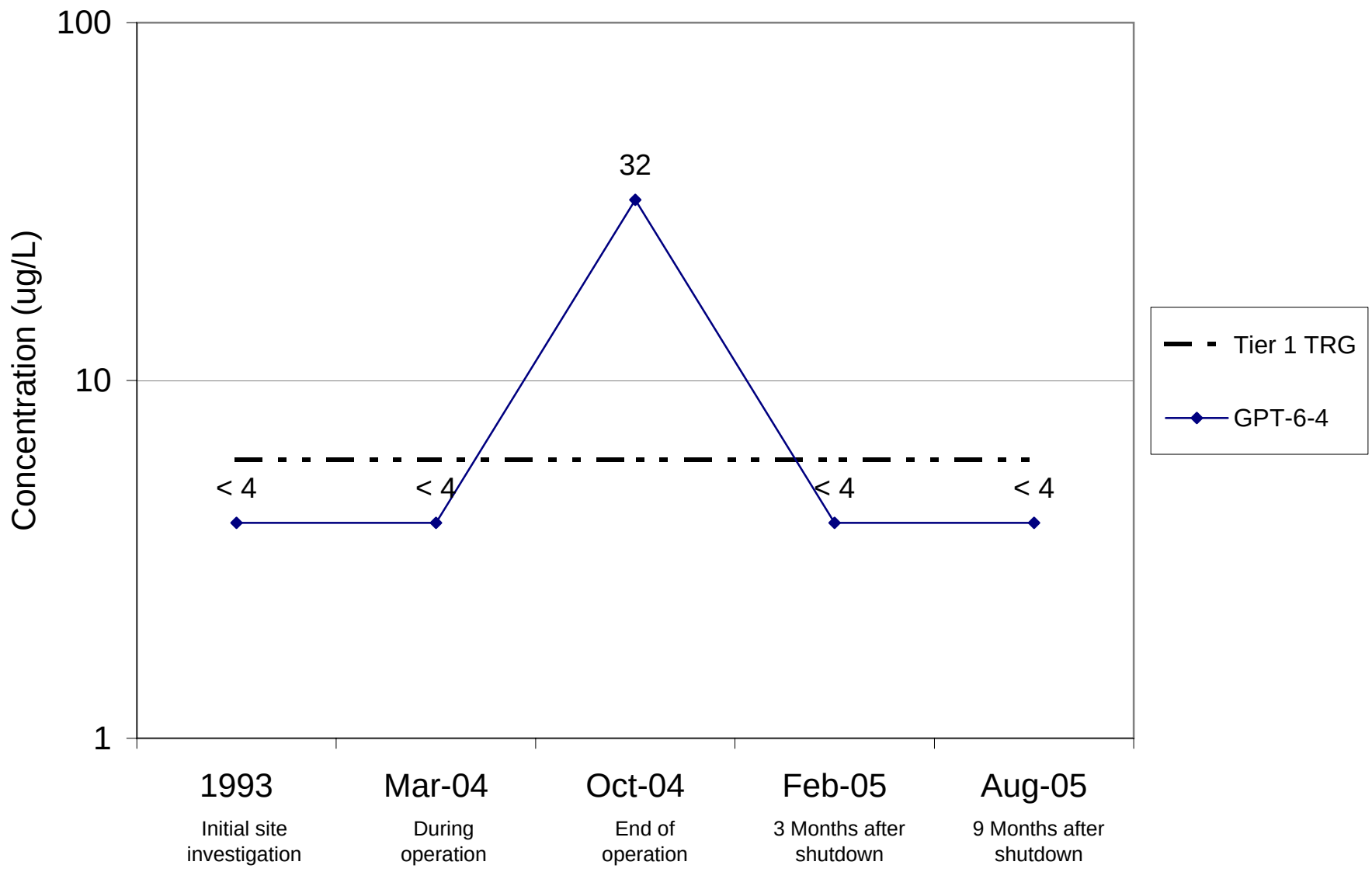
1,1,1-Trichloroethane concentrations for wells with historical levels above the Tier 1 TRGs



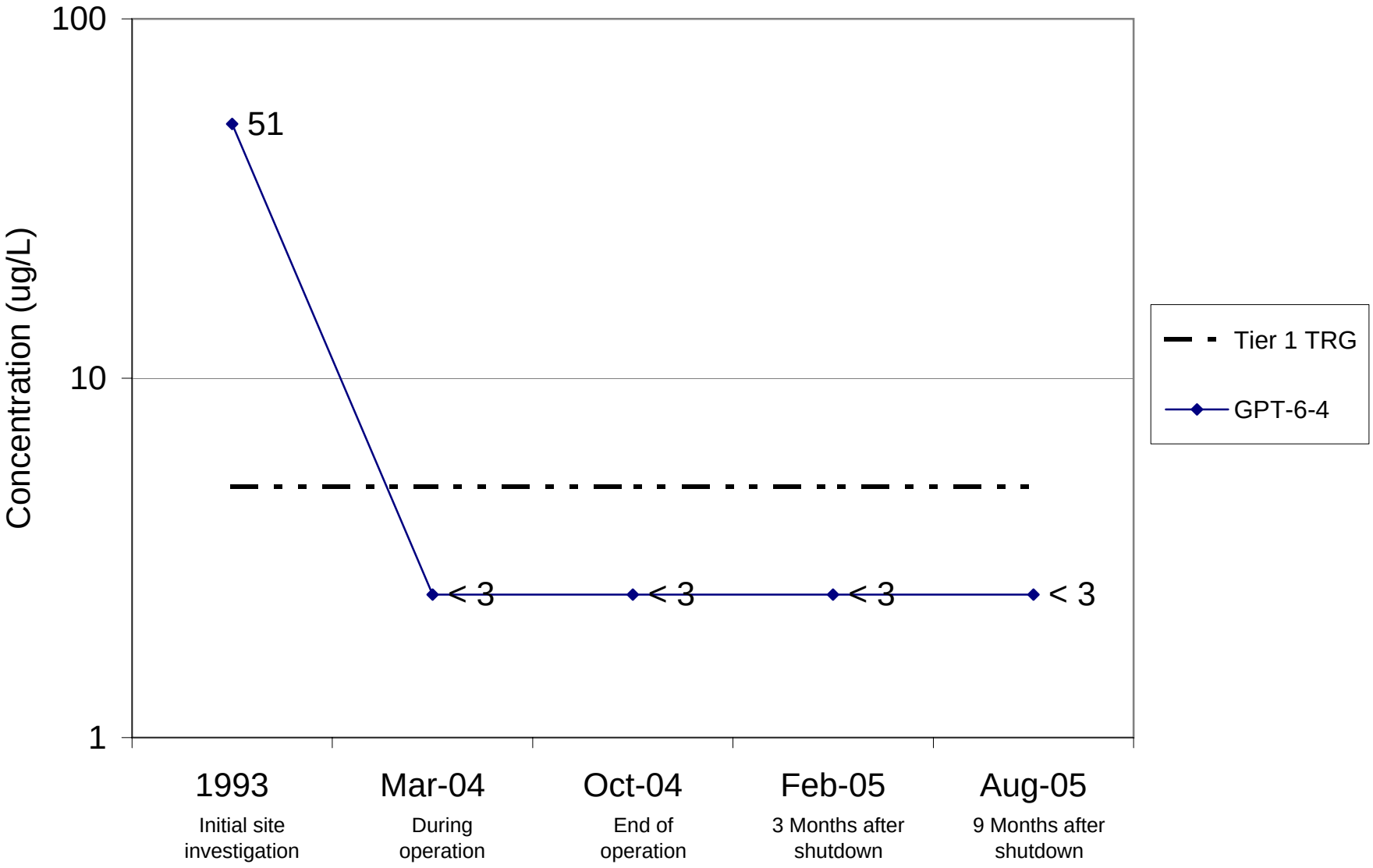
Benzene concentrations for wells with historical levels above the Tier 1 TRGs



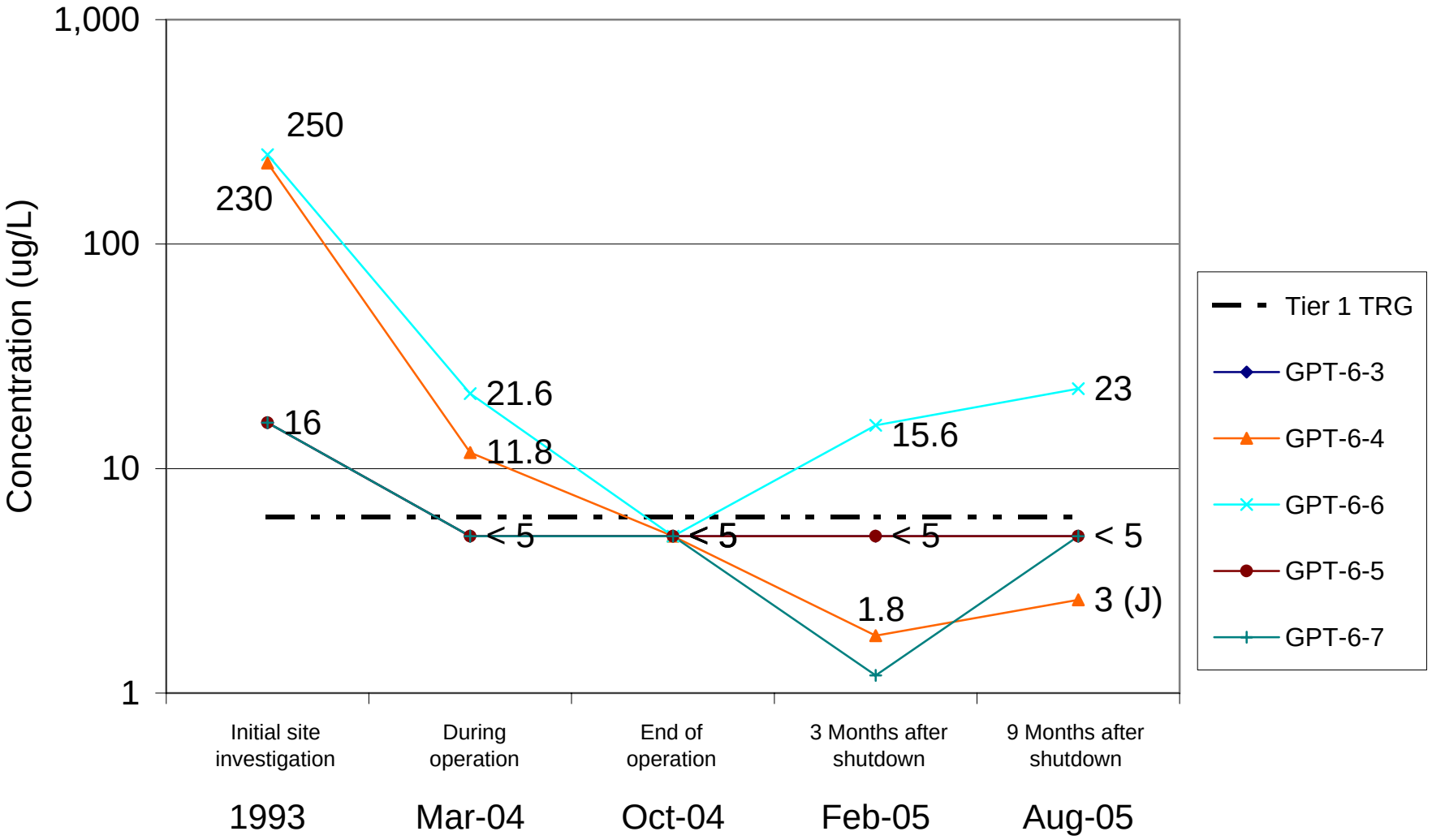
Bis(2-ethylhexyl-phthalate) concentrations for wells with historical levels above the Tier 1 TRGs



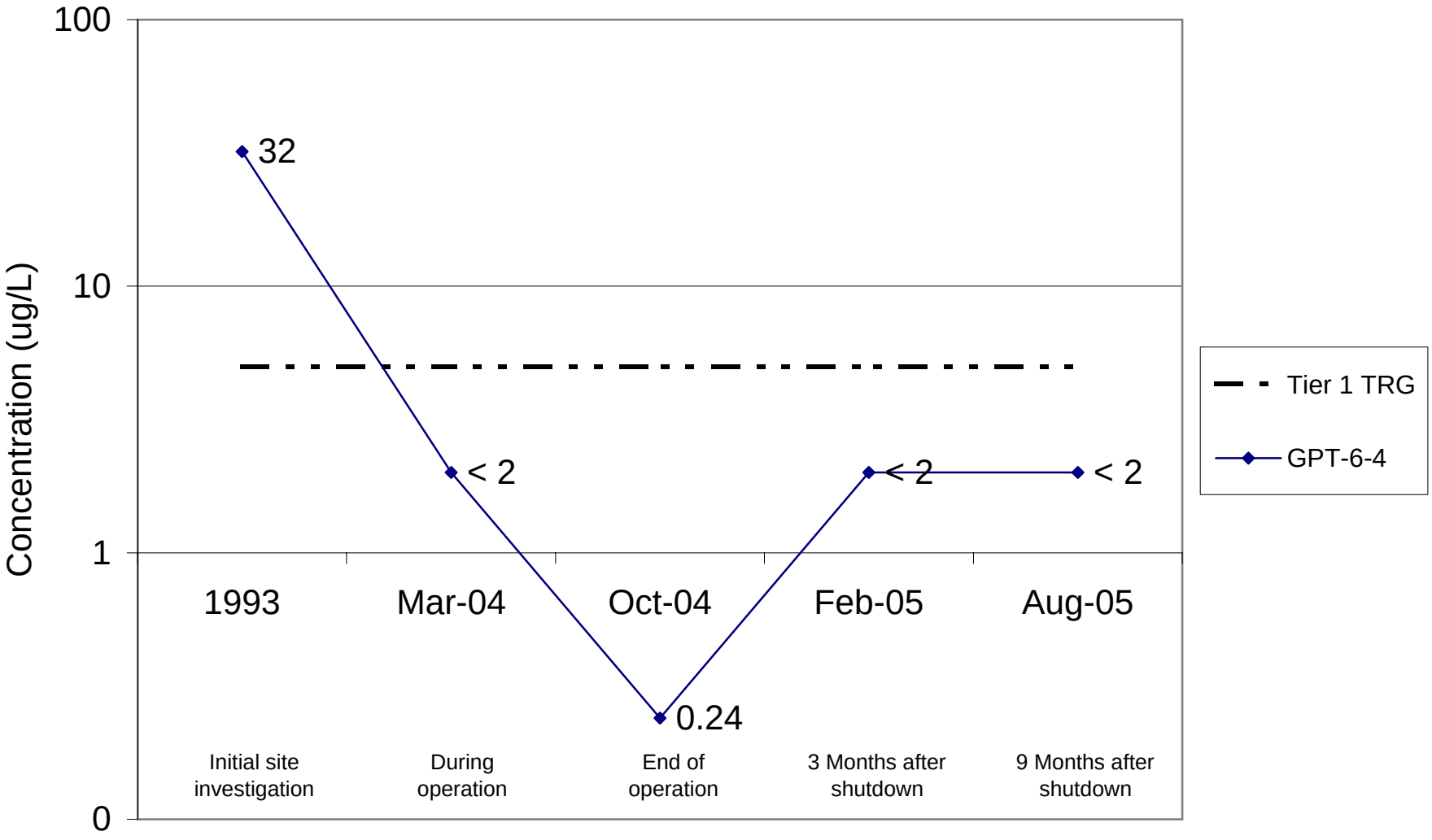
Methylene Chloride concentrations for wells with historical levels above the Tier 1 TRGs



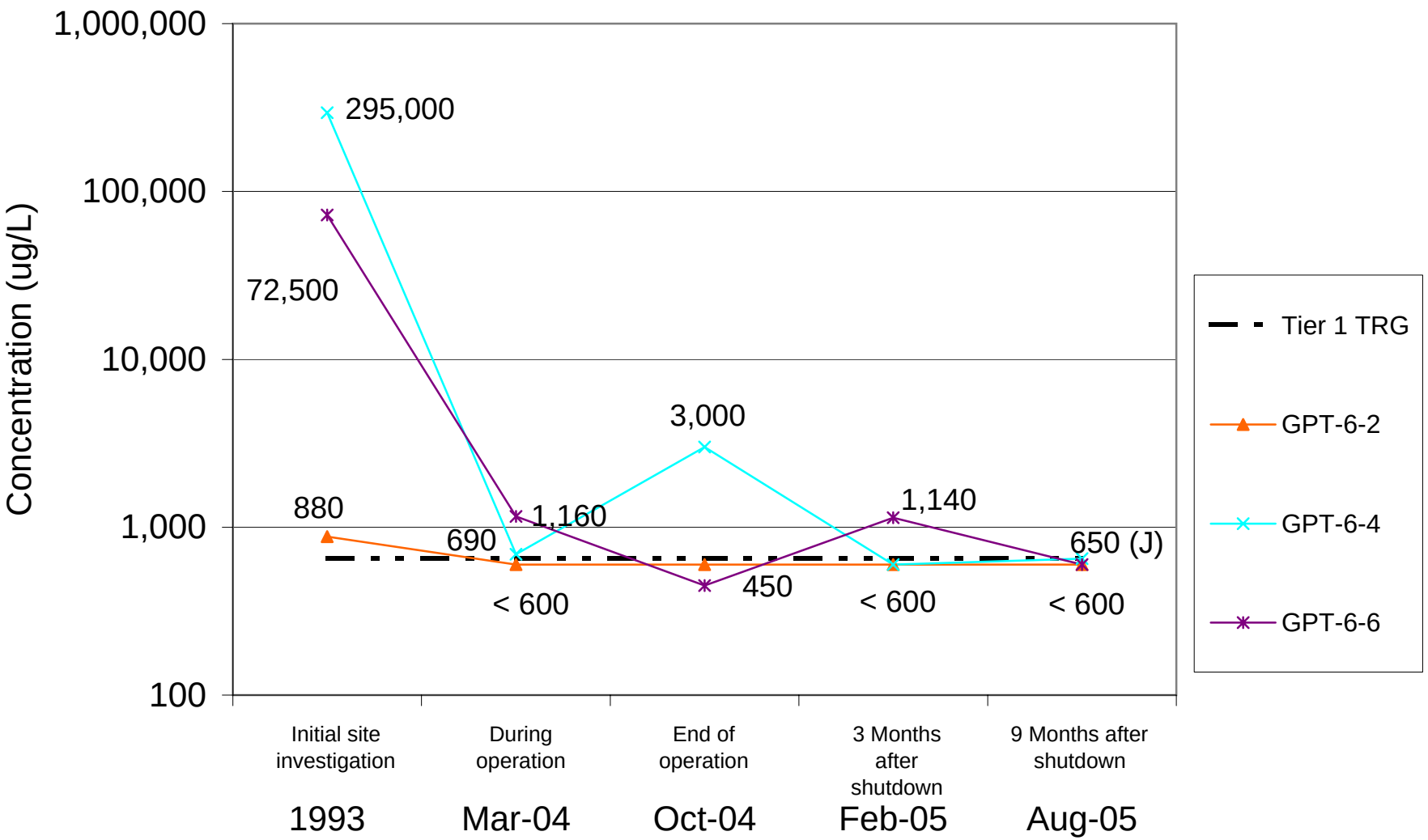
Naphthalene concentrations for wells with historical levels above the Tier 1 TRGs



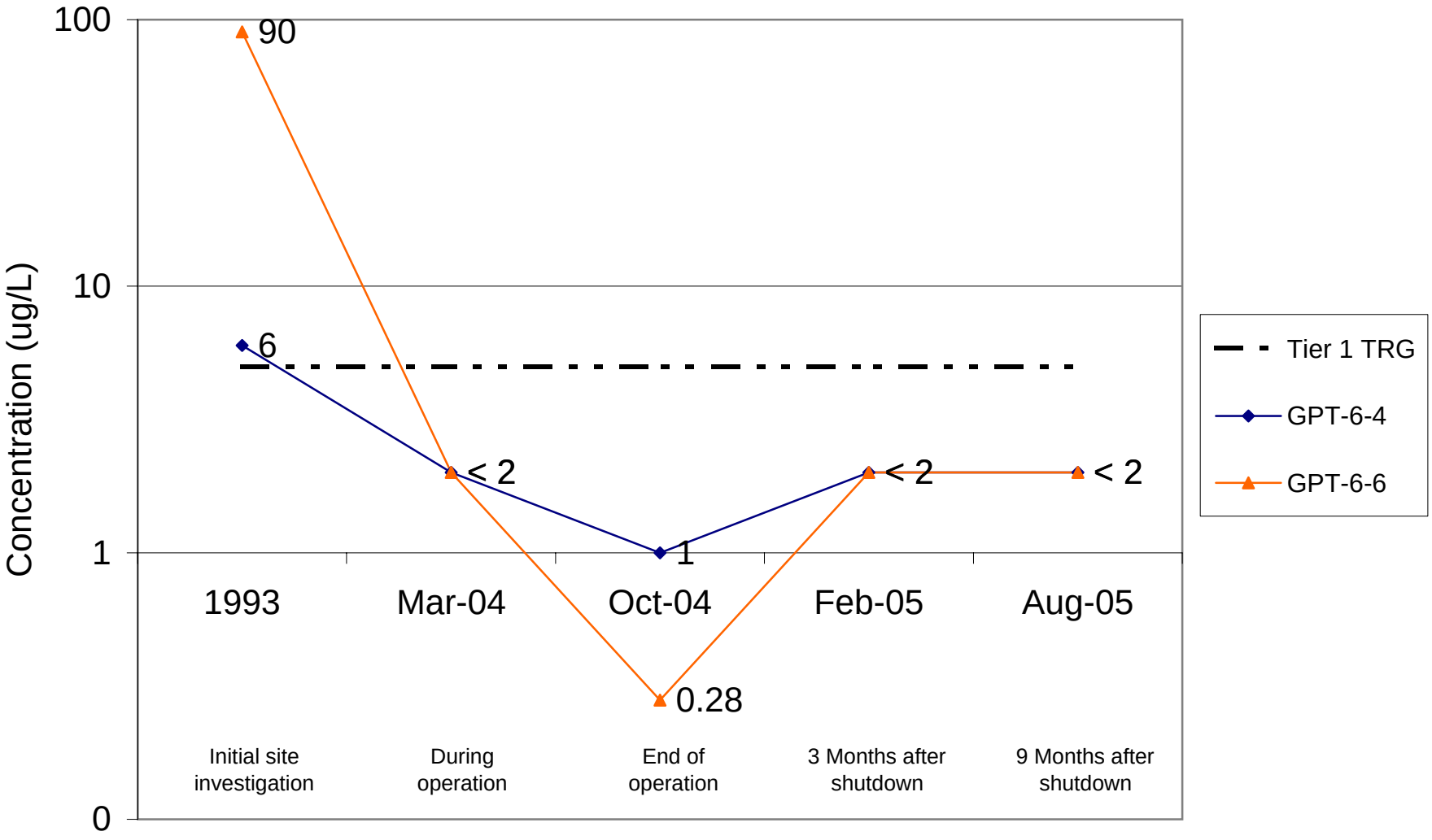
Tetrachloroethene concentrations for wells with historical levels above the Tier 1 TRGs



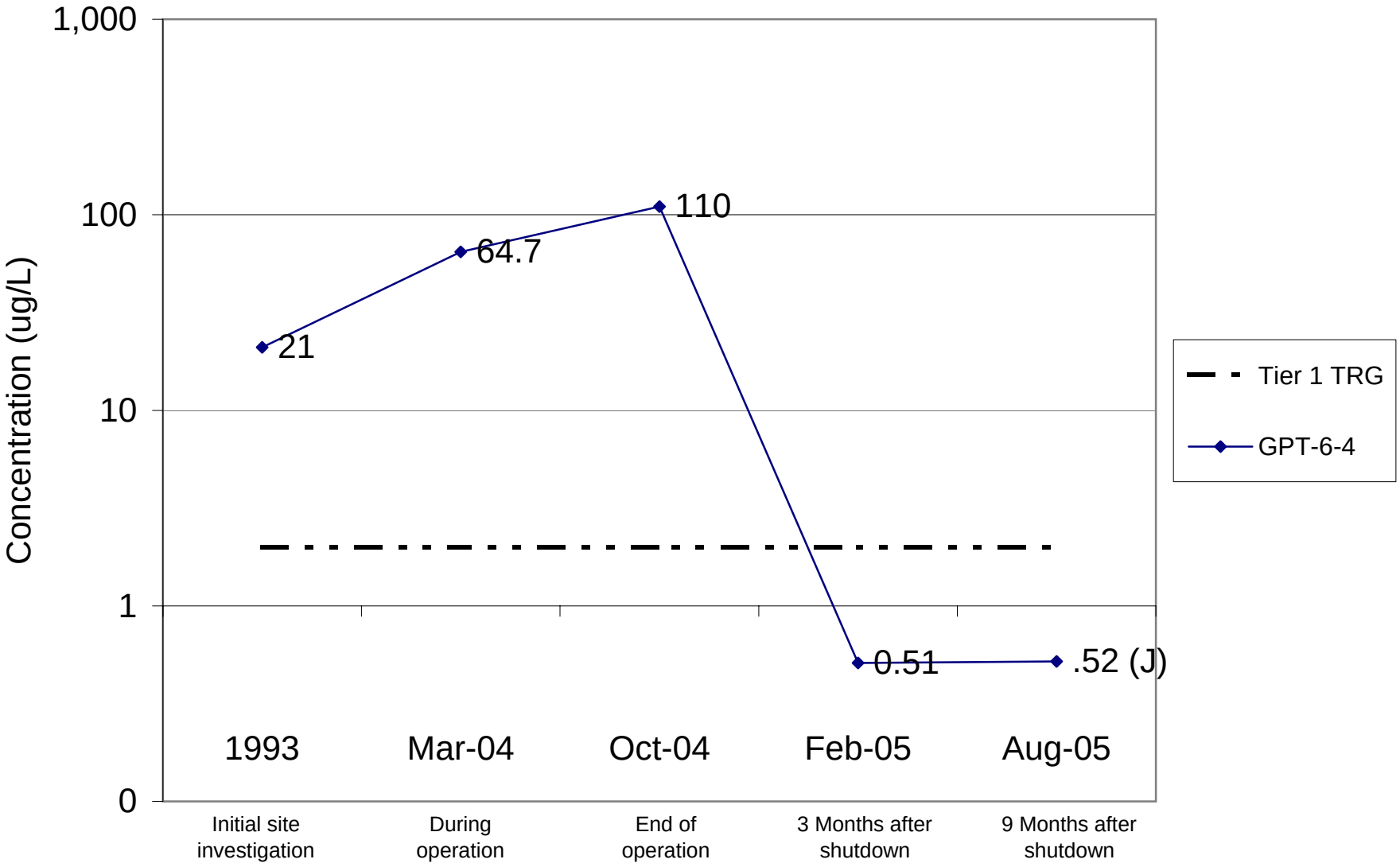
TPH-DRO concentrations for wells with historical levels above the Tier 1 TRGs



Trichloroethene concentrations for wells with historical levels above the Tier 1 TRGs

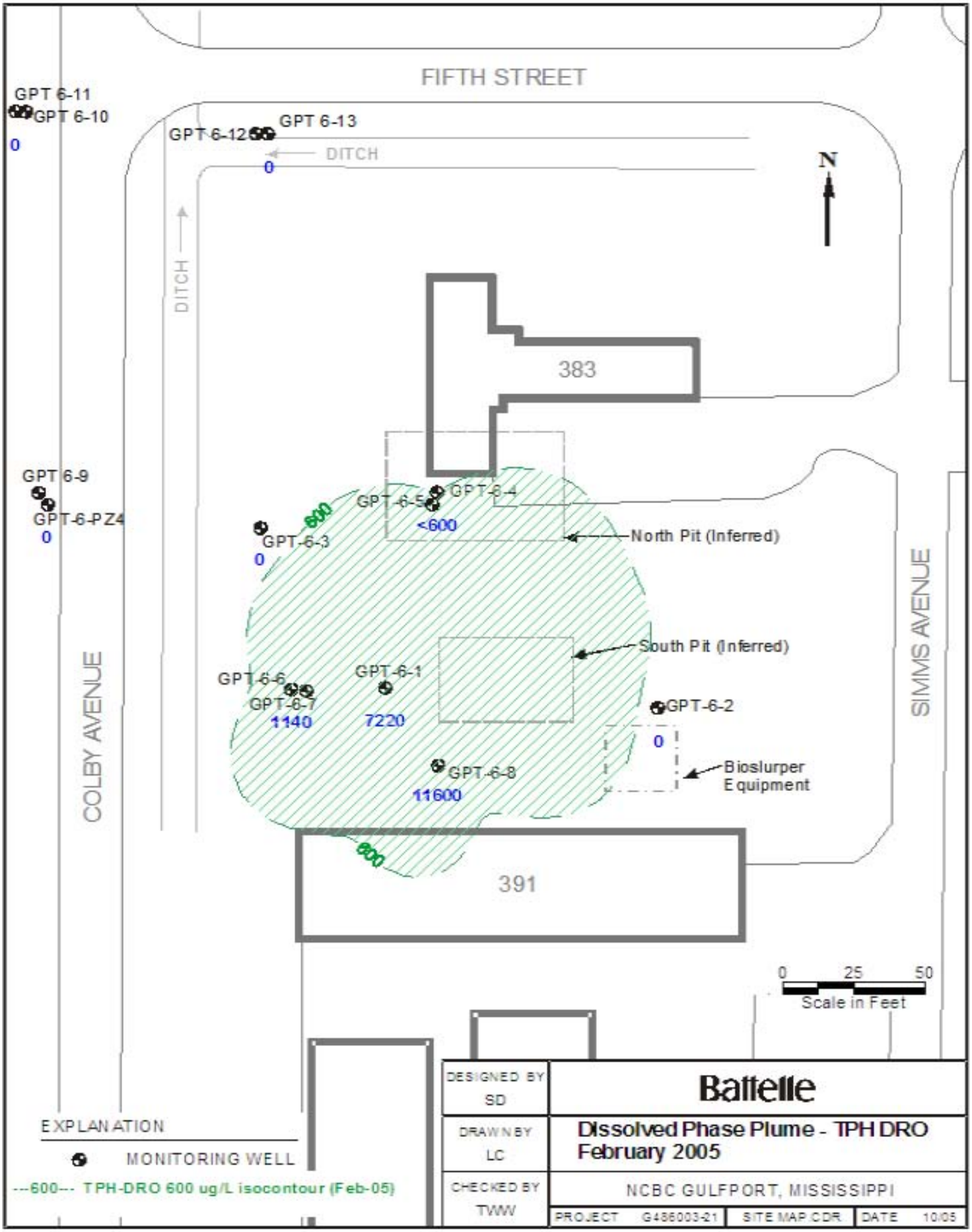


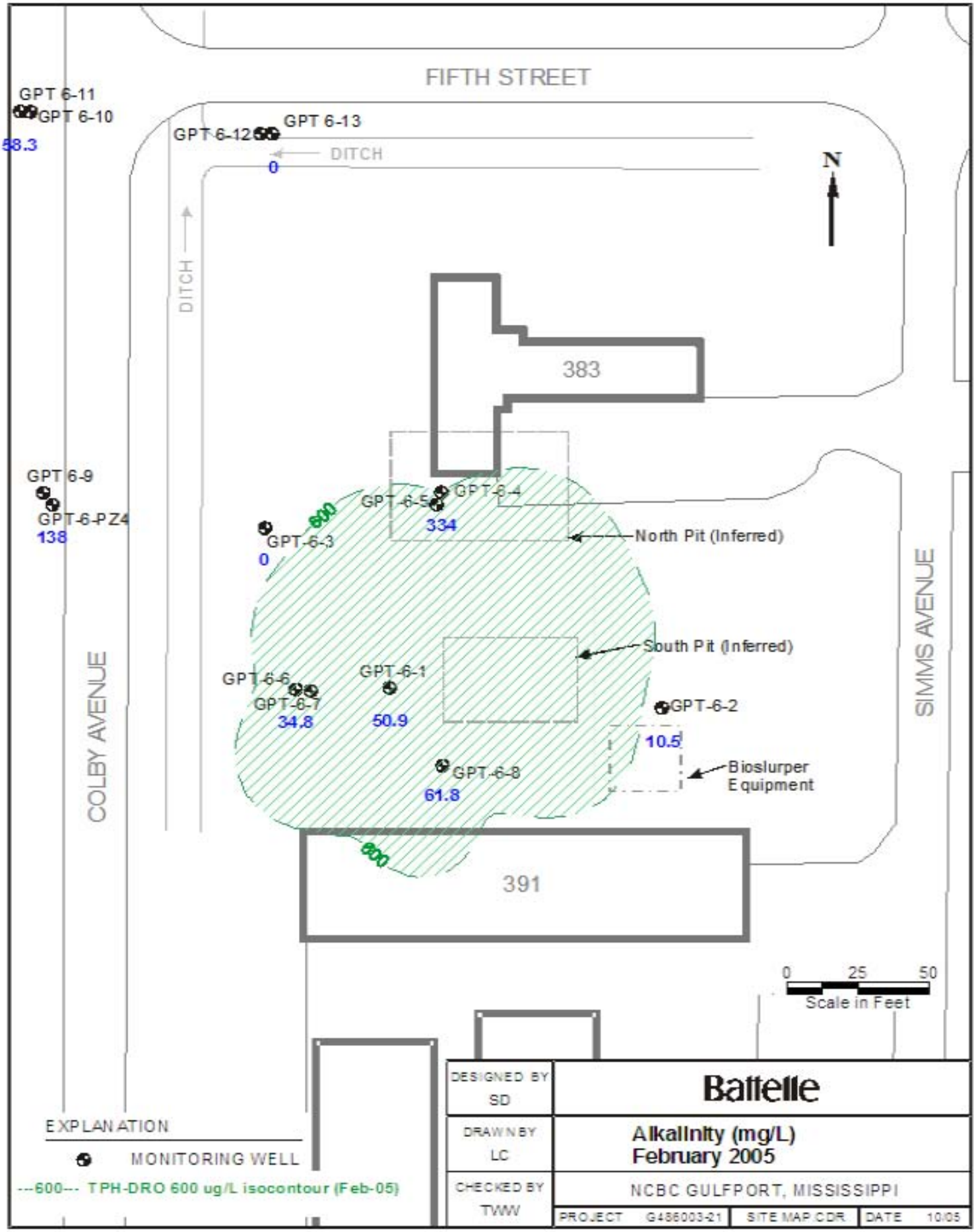
Vinyl Chloride concentrations for wells with historical levels above the Tier 1 TRGs

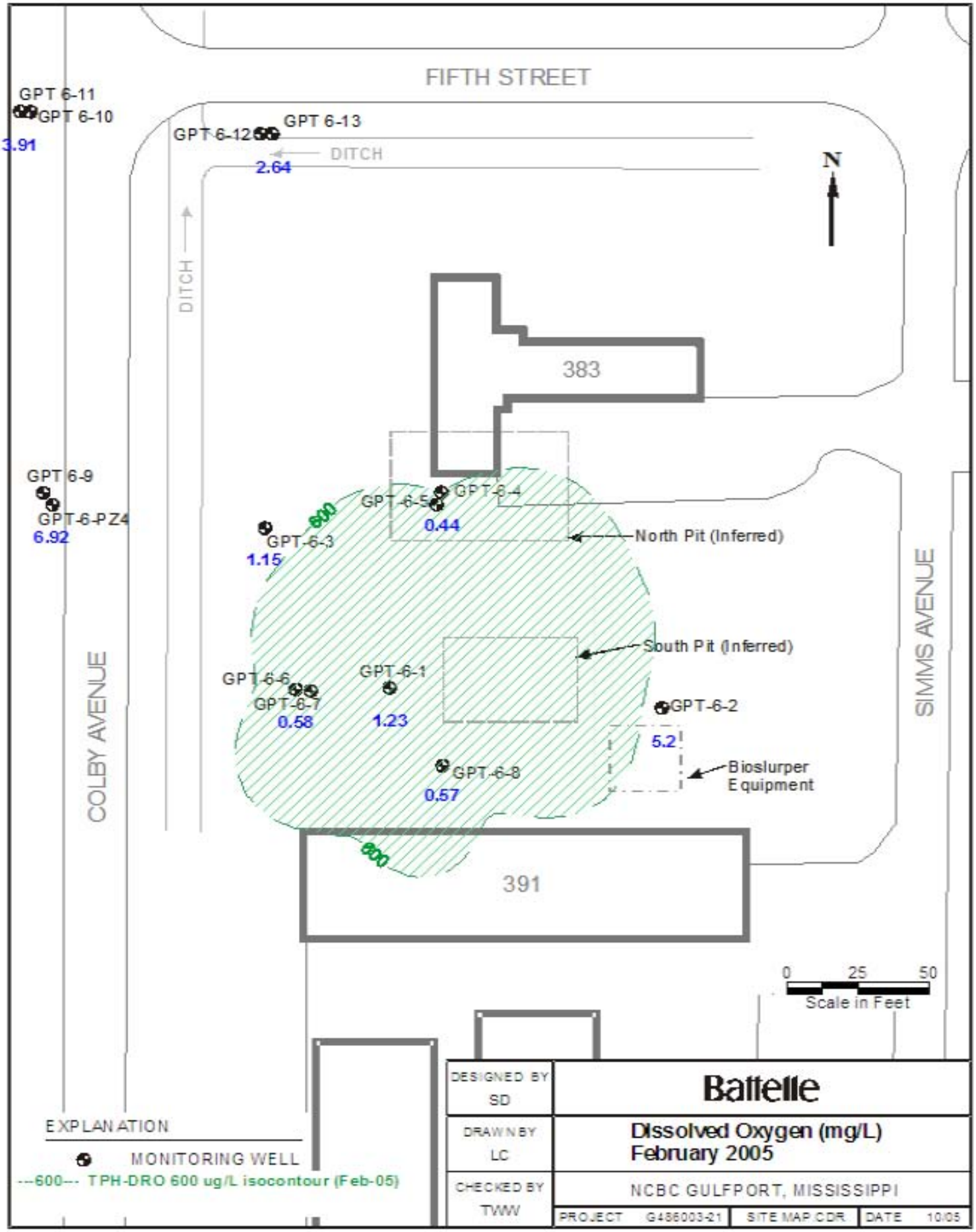


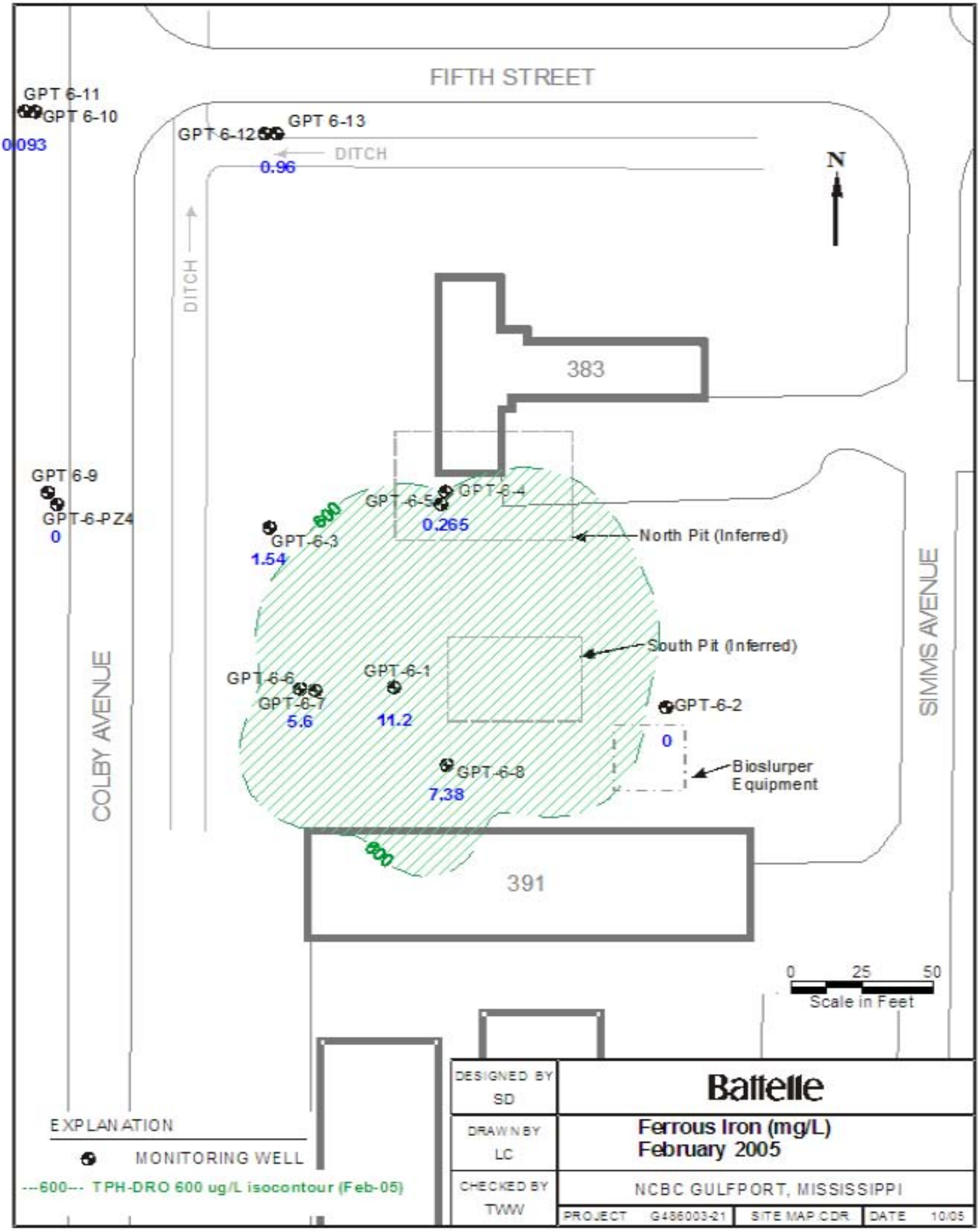
ATTACHMENT 3:

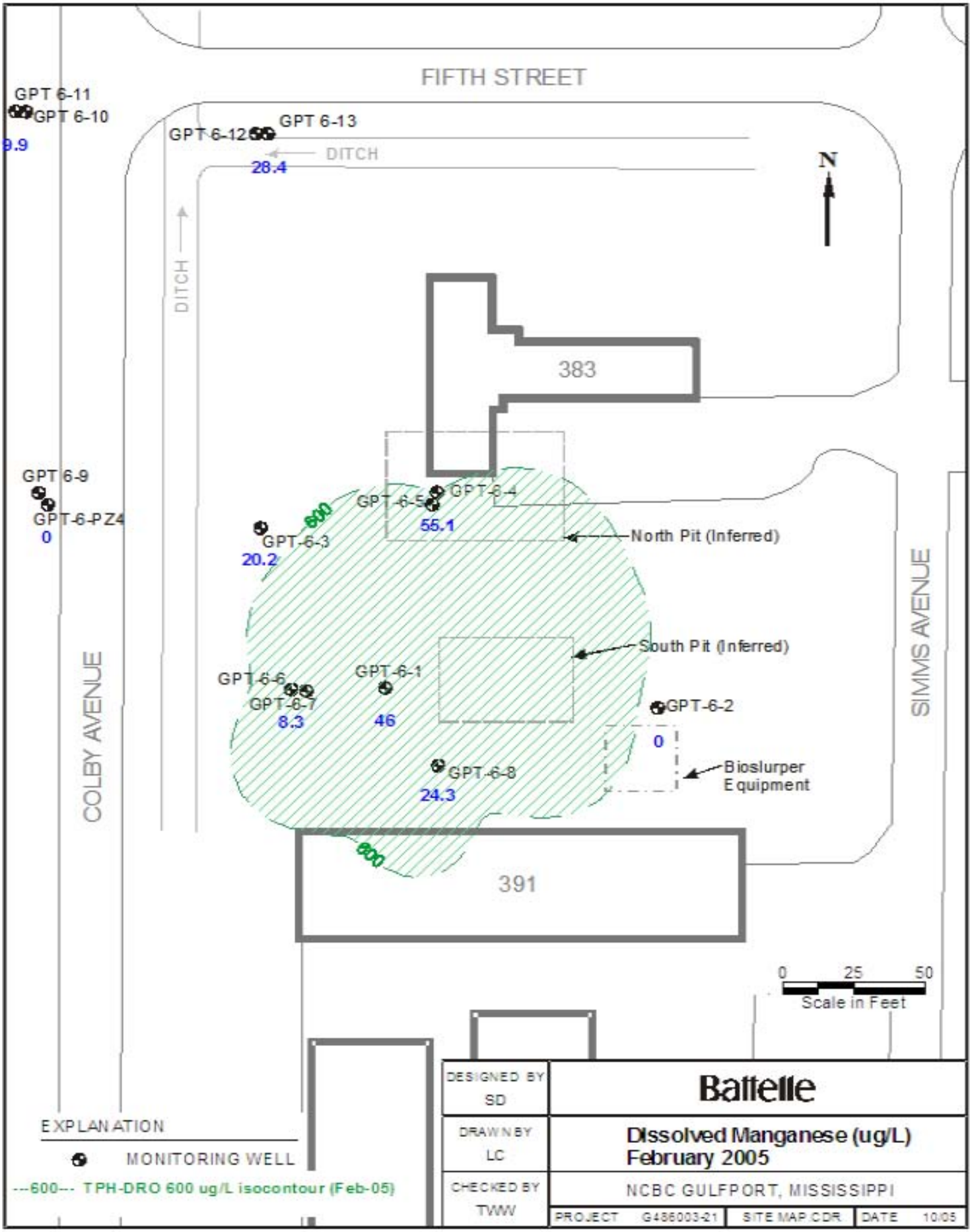
Site Maps Showing Natural Attenuation Indicator Data in Conjunction with the TPH Dissolved-Phase Plume for February 2005

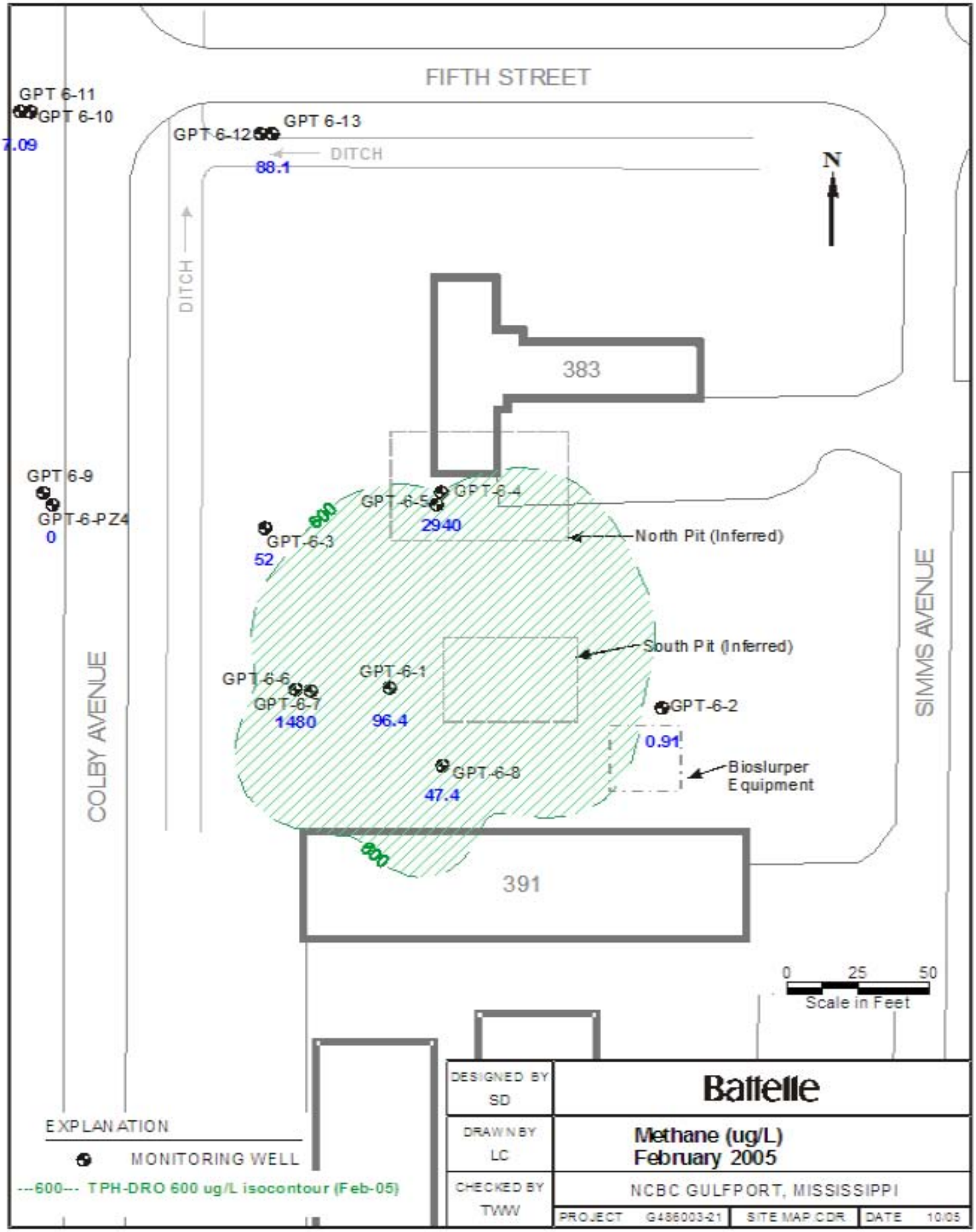

FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
0
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-5
GPT-6-4
<600
600
GPT-6-3
0
North Pit (Inferred)
South Pit (Inferred)
SIMMS AVENUE
COLBY AVENUE
GPT-6-6
GPT-6-7
1140
GPT-6-1
7220
GPT-6-2
0
GPT-6-8
11600
Bioslurper Equipment
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Dissolved Phase Plume - TPH DRO
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

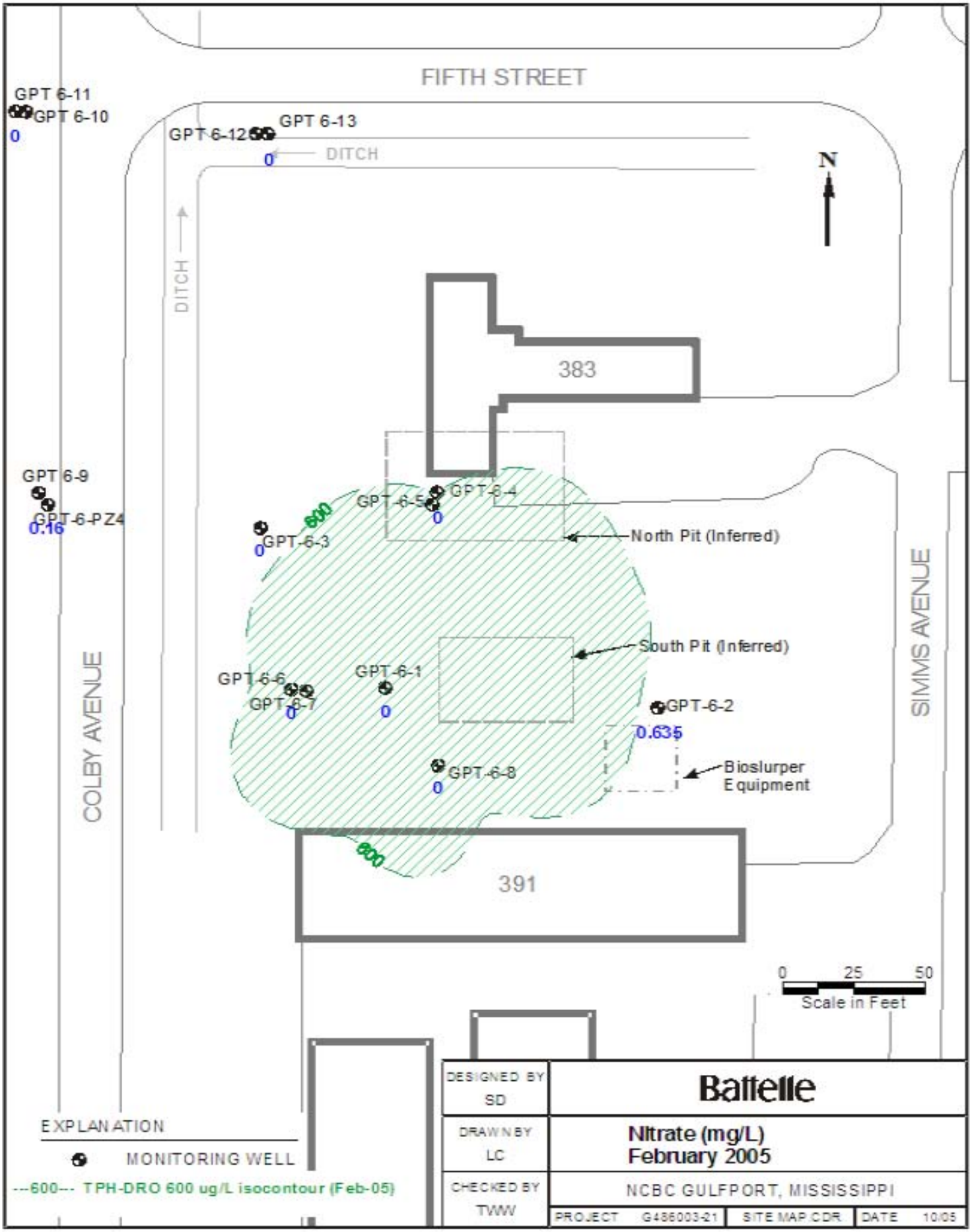

FIFTH STREET
GPT 6-11
GPT 6-10
88.3
GPT 6-12
GPT 6-13
0
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
138
GPT-6-5
GPT-6-4
334
600
GPT-6-3
0
North Pit (Inferred)
South Pit (Inferred)
COLBY AVENUE
SIMMS AVENUE
GPT-6-6
GPT-6-7
34.8
GPT-6-1
50.9
GPT-6-2
10.5
GPT-6-8
61.8
Bioslurper Equipment
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Alkalinity (mg/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

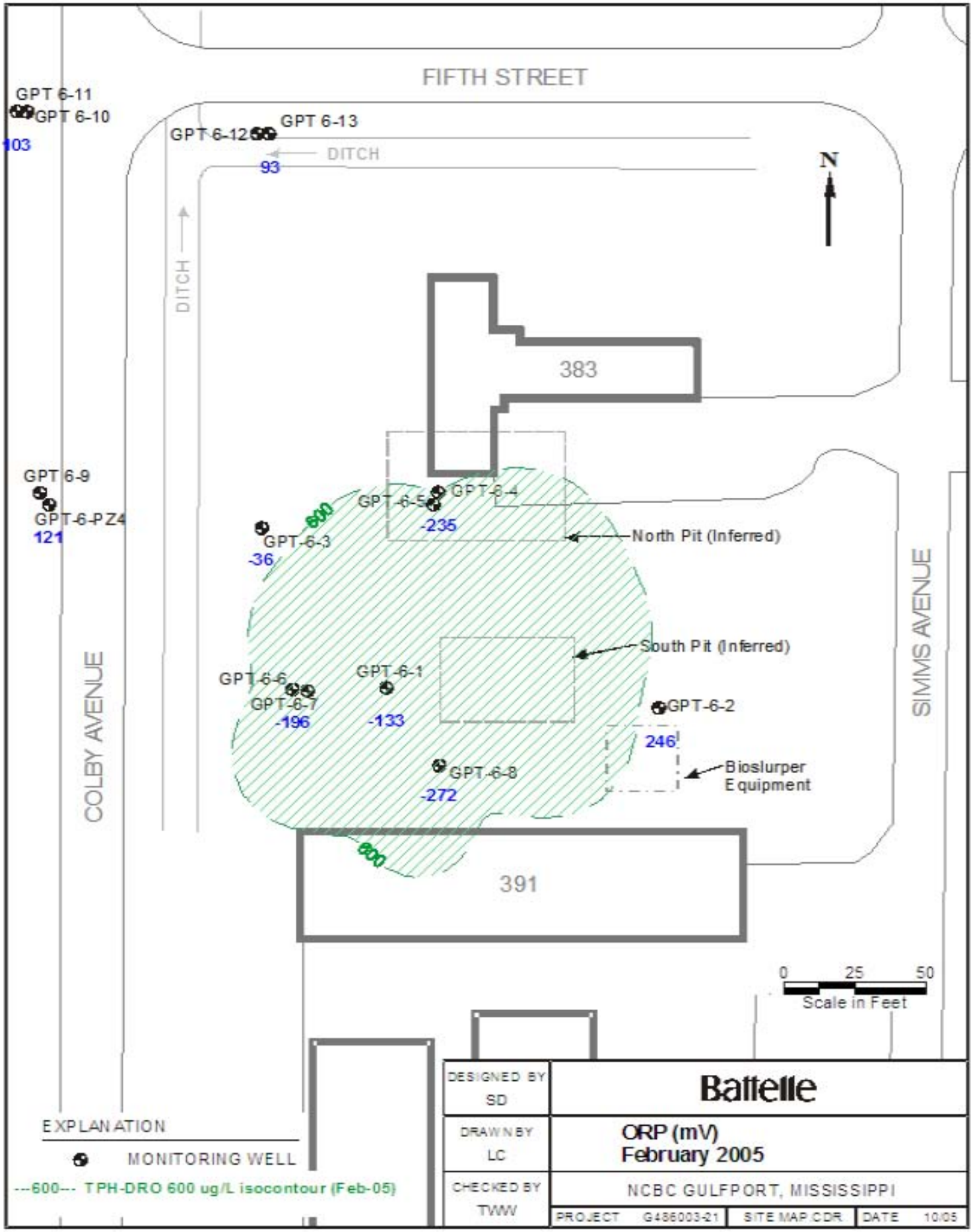

FIFTH STREET
GPT 6-11
GPT 6-10
3.91
GPT 6-12
GPT 6-13
2.64
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
6.92
GPT-6-5
GPT-6-4
0.44
600
GPT-6-3
1.15
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
0.58
GPT-6-1
1.23
GPT-6-2
5.2
Bioslurper Equipment
GPT-6-8
0.57
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Dissolved Oxygen (mg/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

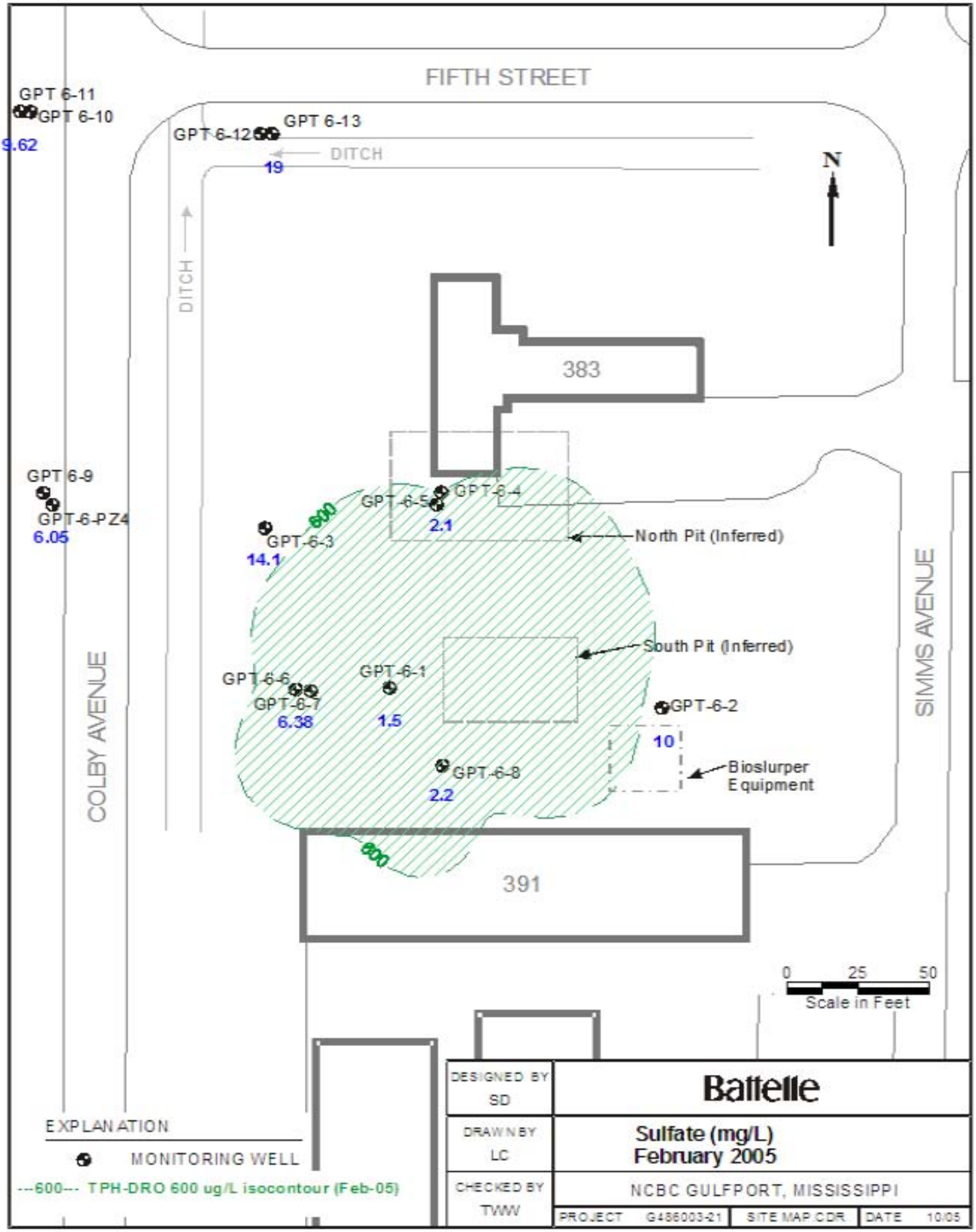

FIFTH STREET
GPT 6-11
GPT 6-10
0.093
GPT 6-12
GPT 6-13
0.96
DITCH
DITCH
N
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-5
GPT-6-4
0.265
600
GPT-6-3
1.54
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
5.6
GPT-6-1
11.2
GPT-6-2
0
GPT-6-8
7.38
Bioslurper Equipment
COLBY AVENUE
SIMMS AVENUE
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Ferrous Iron (mg/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

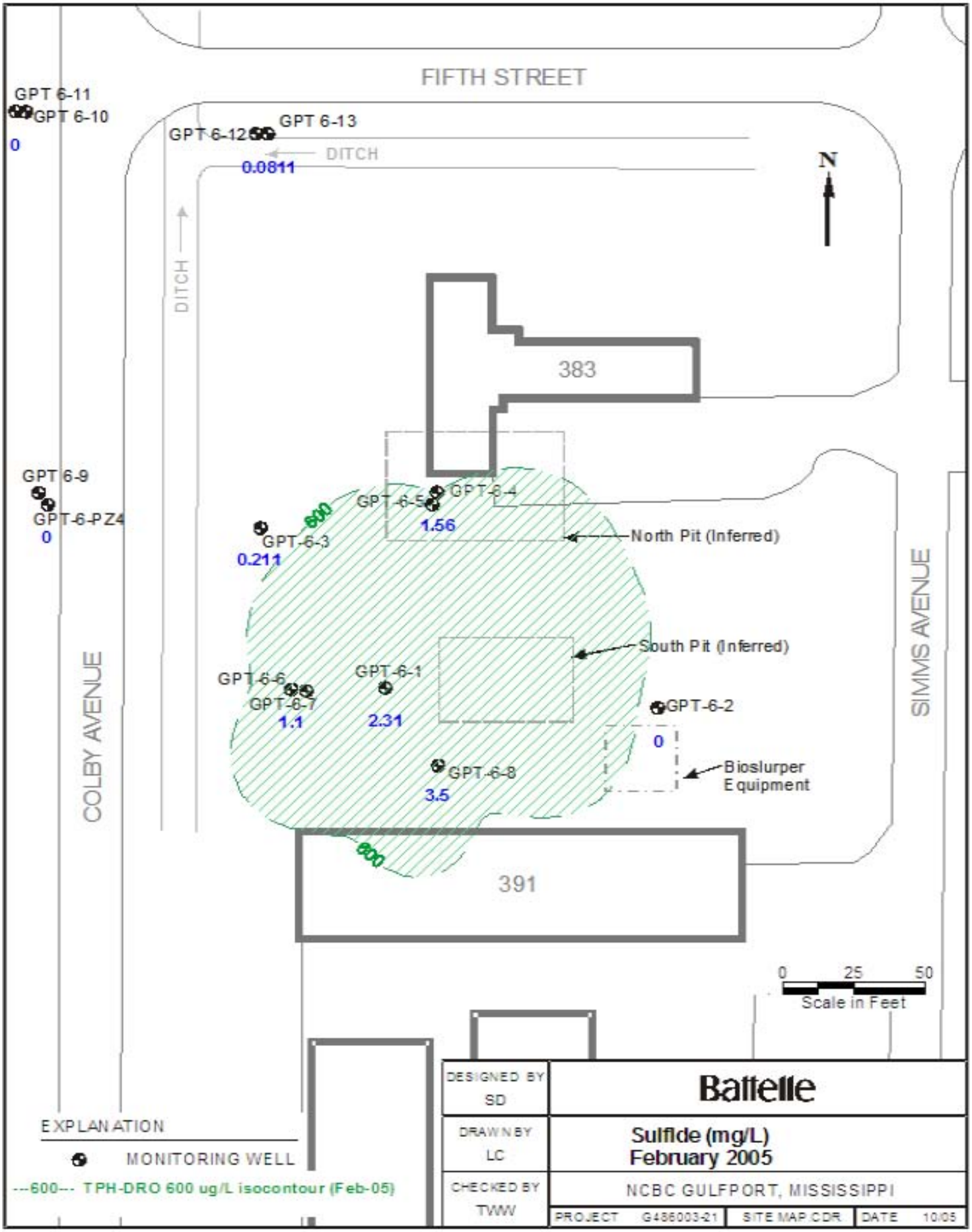

FIFTH STREET
GPT 6-11
GPT 6-10
9.9
GPT 6-12
GPT 6-13
28.4
DITCH
DITCH
N
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-5
GPT-6-4
55.1
600
GPT-6-3
20.2
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
8.3
GPT-6-1
46
GPT-6-2
0
GPT-6-8
24.3
Bioslurper Equipment
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Dissolved Manganese (ug/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05


FIFTH STREET
GPT 6-11
GPT 6-10
7.09
GPT 6-12
GPT 6-13
88.1
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-5
GPT-6-4
2940
600
GPT-6-3
52
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
1480
GPT-6-1
96.4
GPT-6-2
0.91
GPT-6-8
47.4
Bioslurper Equipment
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Methane (ug/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05


FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
0
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
0.16
600
GPT-6-5
GPT-6-4
0
0
GPT-6-3
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
0
GPT-6-1
0
GPT-6-2
0.635
GPT-6-8
0
Bioslurper
Equipment
COLBY AVENUE
SIMMS AVENUE
600
391
0
25
50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY
SD
DRAWN BY
LC
CHECKED BY
TWW
Battelle
Nitrate (mg/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

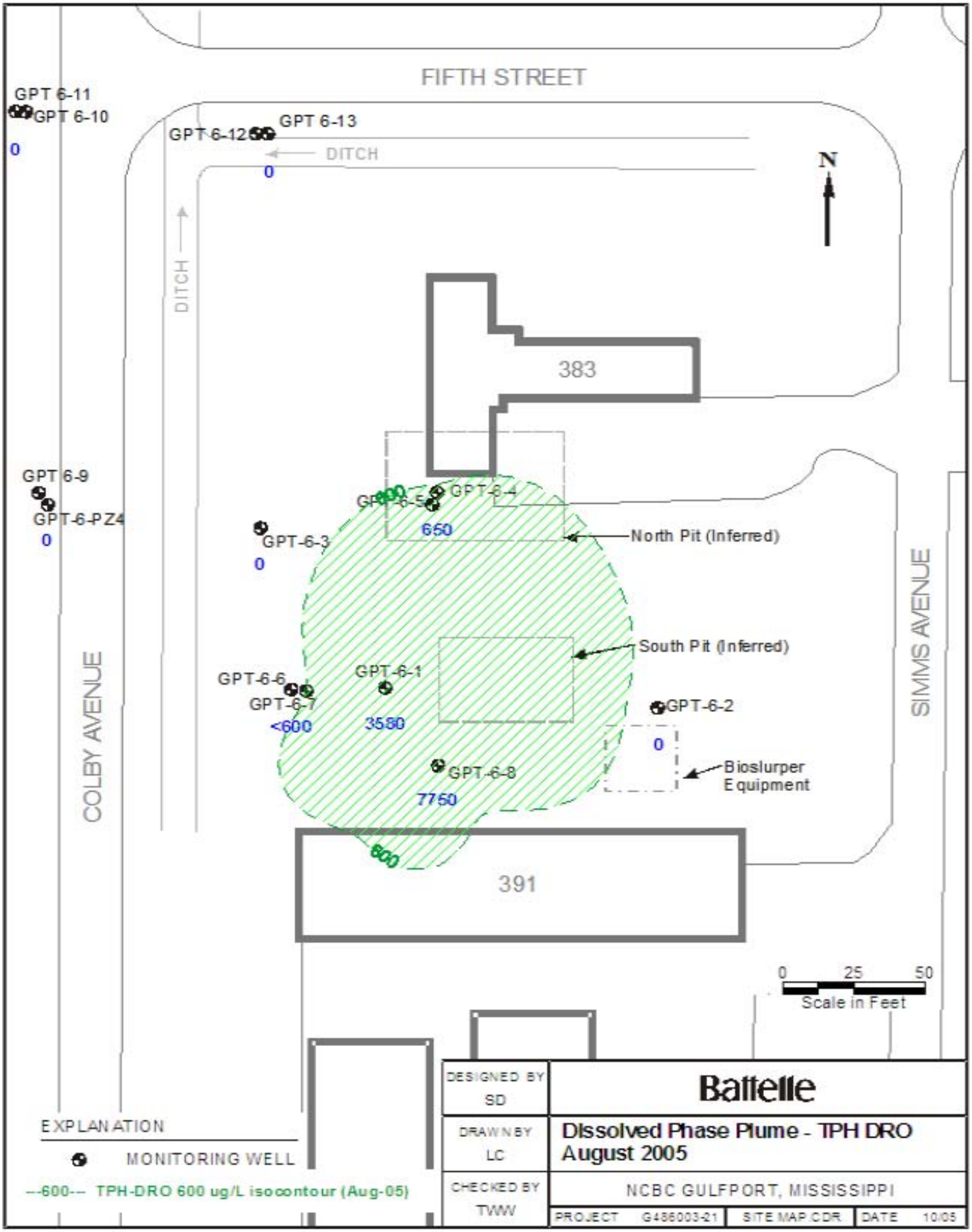

FIFTH STREET
GPT 6-11
GPT 6-10
103
GPT 6-12
GPT 6-13
93
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
121
GPT-6-5
GPT-6-4
-235
600
GPT-6-3
-36
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
-196
GPT-6-1
-133
GPT-6-2
246
GPT-6-8
-272
Bioslurper Equipment
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
ORP (mV)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

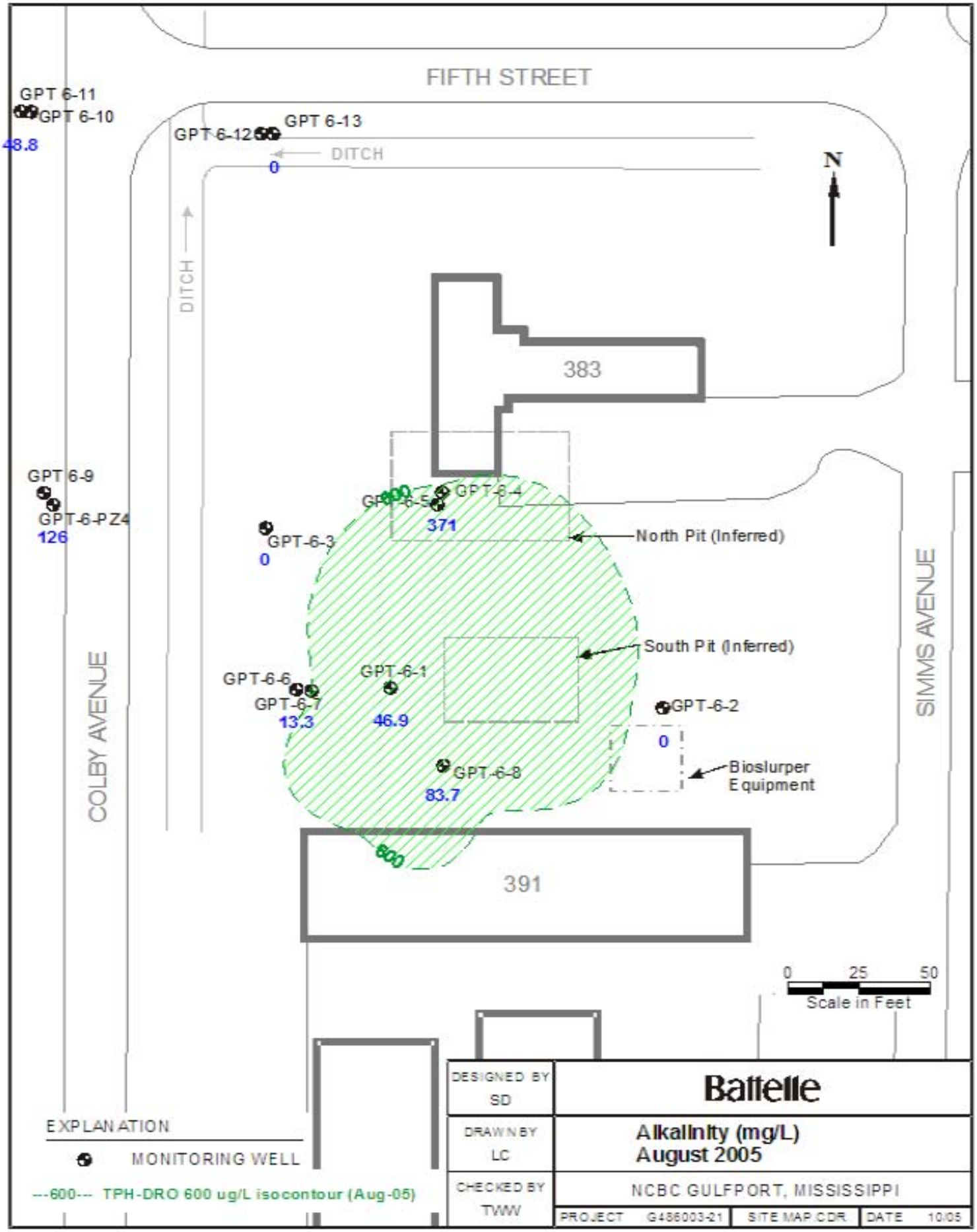

FIFTH STREET
GPT 6-11
GPT 6-10
9.62
GPT 6-12
GPT 6-13
19
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
6.05
GPT-6-5
GPT-6-4
2.1
600
GPT-6-3
14.1
North Pit (Inferred)
South Pit (Inferred)
SIMMS AVENUE
COLBY AVENUE
GPT-6-6
GPT-6-7
6.38
GPT-6-1
1.5
GPT-6-2
10
Bioslurper Equipment
GPT-6-8
2.2
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Sulfate (mg/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP.CDR
DATE 10/05

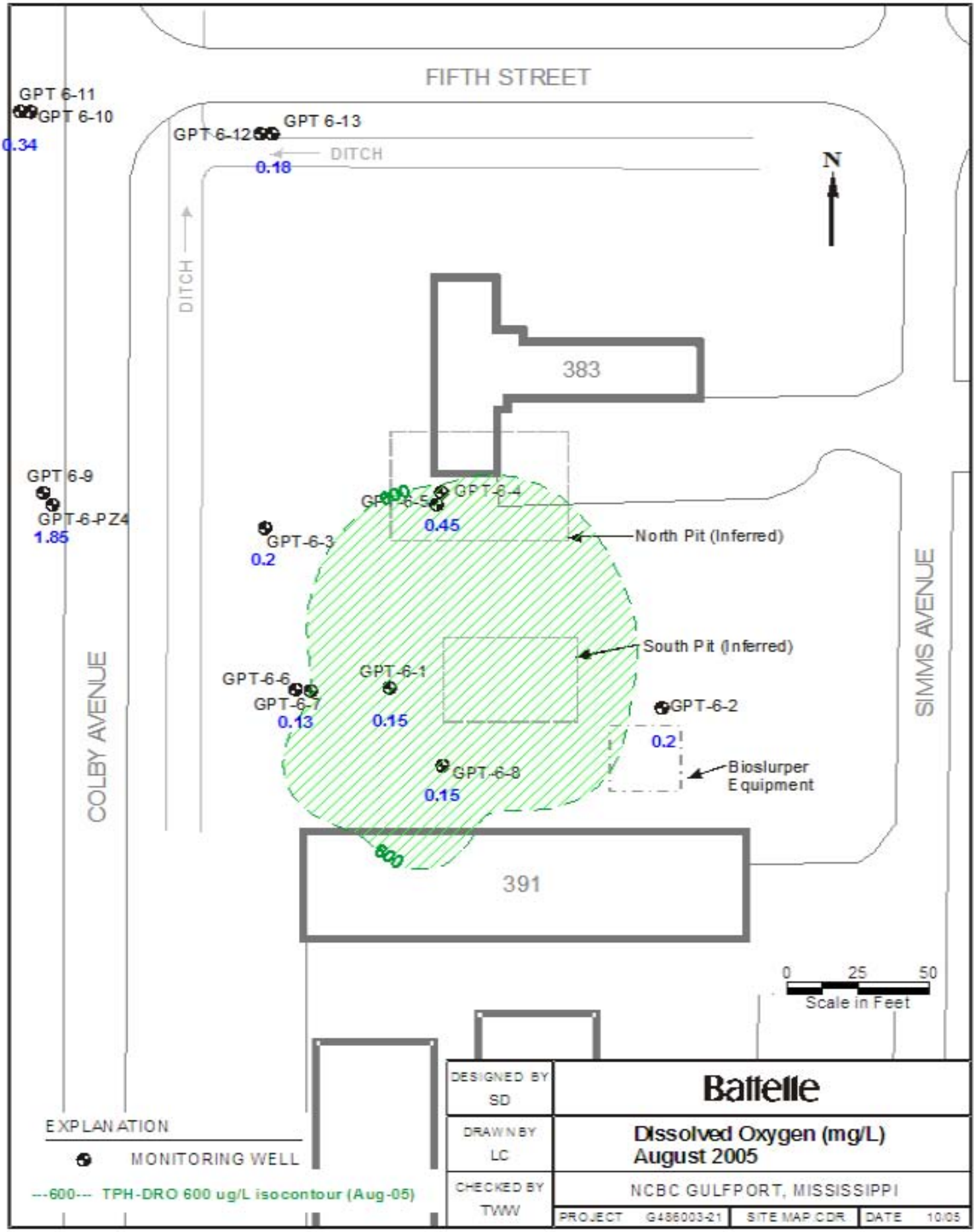

FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
0.0811
DITCH
DITCH
N
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-5
GPT-6-4
1.56
600
GPT-6-3
0.211
North Pit (Inferred)
South Pit (Inferred)
COLBY AVENUE
SIMMS AVENUE
GPT-6-6
GPT-6-7
1.1
GPT-6-1
2.31
GPT-6-2
0
GPT-6-8
3.5
Bioslurper Equipment
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Feb-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Sulfide (mg/L)
February 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

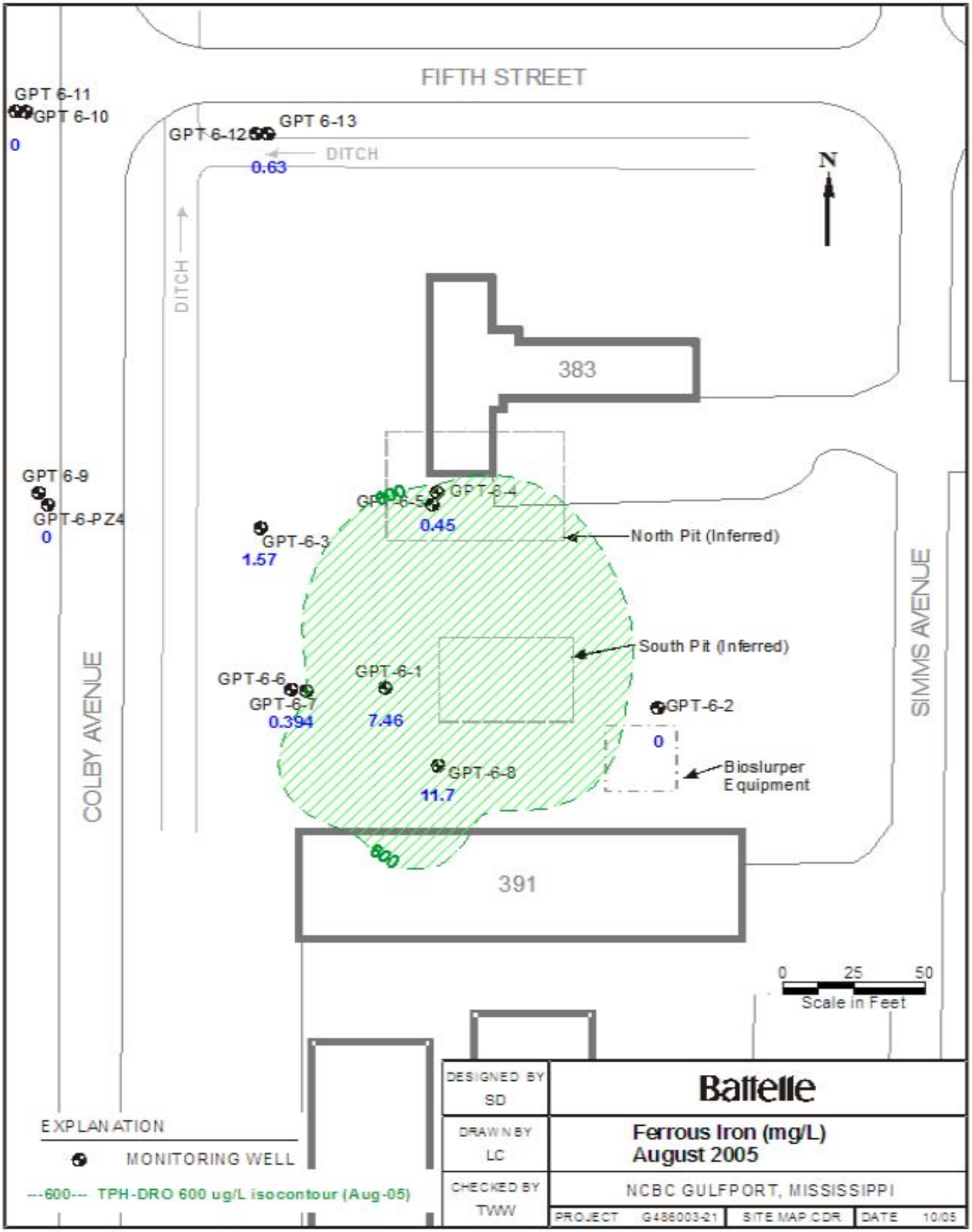
ATTACHMENT 4:

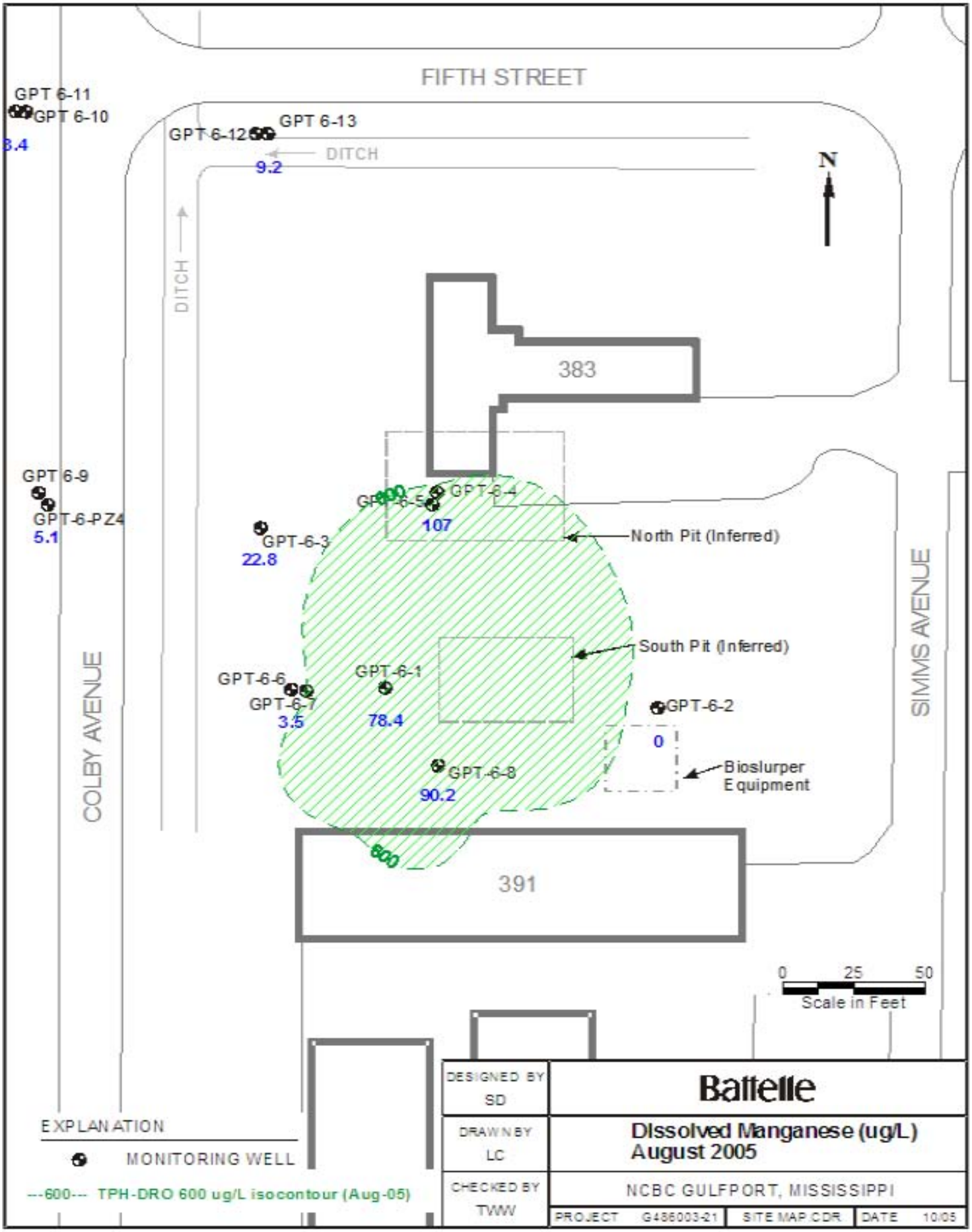
Site Maps Showing Natural Attenuation Indicator Data in Conjunction with the TPH Dissolved-Phase Plume for August 2005

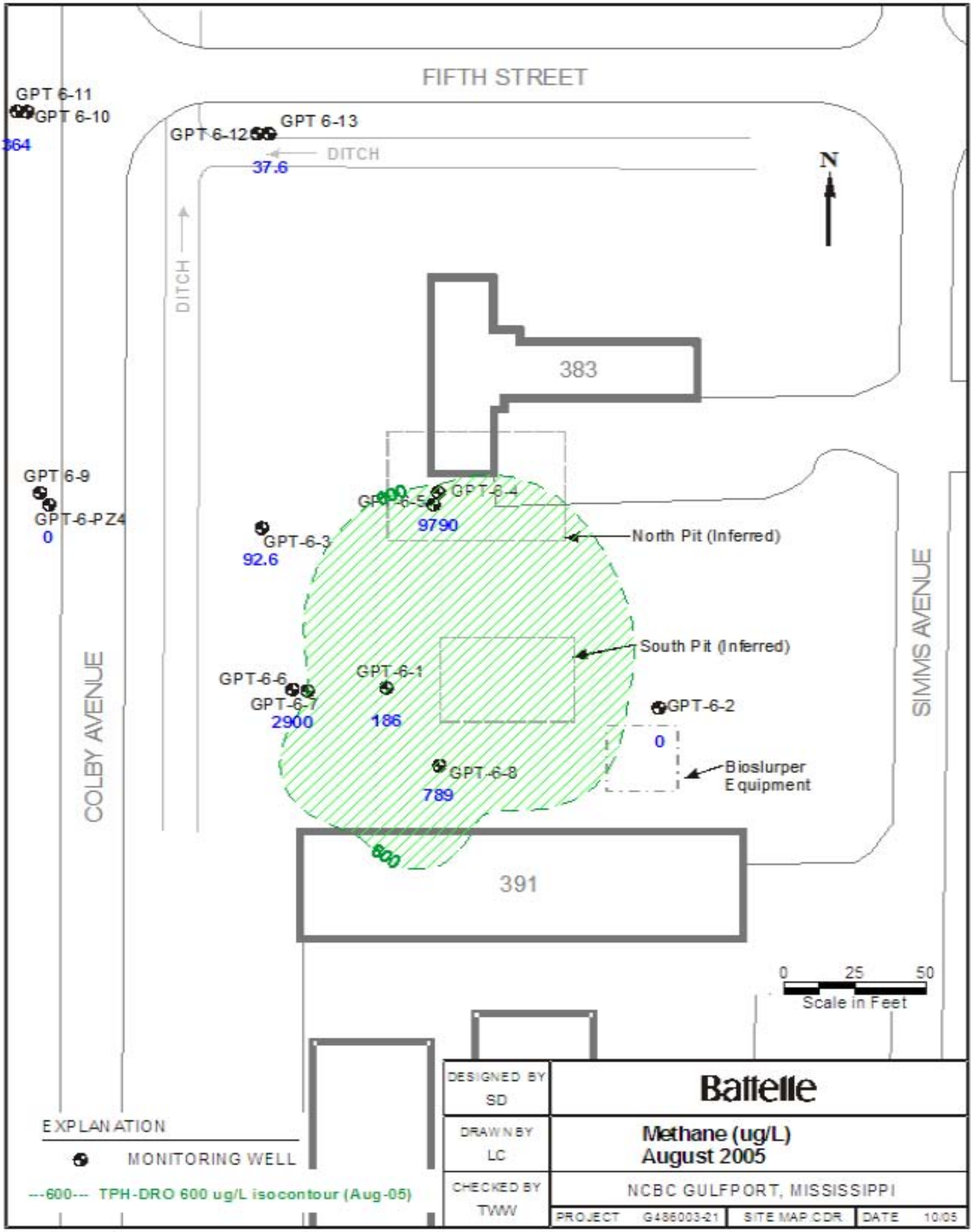

FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
0
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-3
0
600
GPT-6-5
GPT-6-4
650
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
<600
GPT-6-1
3580
GPT-6-2
0
Bioslurper Equipment
GPT-6-8
7750
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
--600-- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Dissolved Phase Plume - TPH DRO
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP.CDR
DATE 10/05

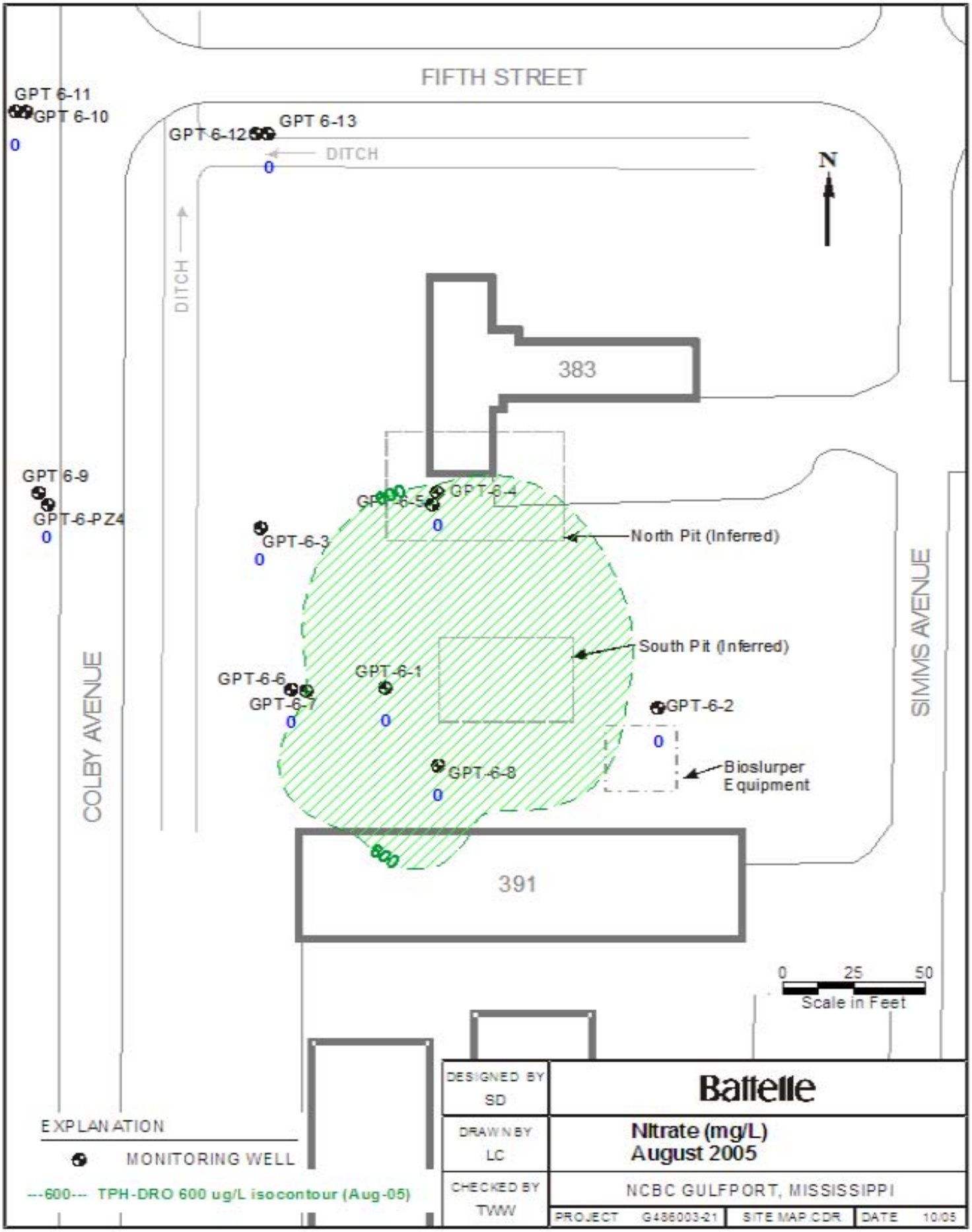

FIFTH STREET
GPT 6-11
GPT 6-10
48.8
GPT 6-12
GPT 6-13
0
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
126
600
GPT-6-5
GPT-6-4
371
GPT-6-3
0
North Pit (Inferred)
South Pit (Inferred)
COLBY AVENUE
SIMMS AVENUE
GPT-6-6
GPT-6-7
13.3
GPT-6-1
46.9
GPT-6-2
0
GPT-6-8
83.7
Bioslurper Equipment
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Alkalinity (mg/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

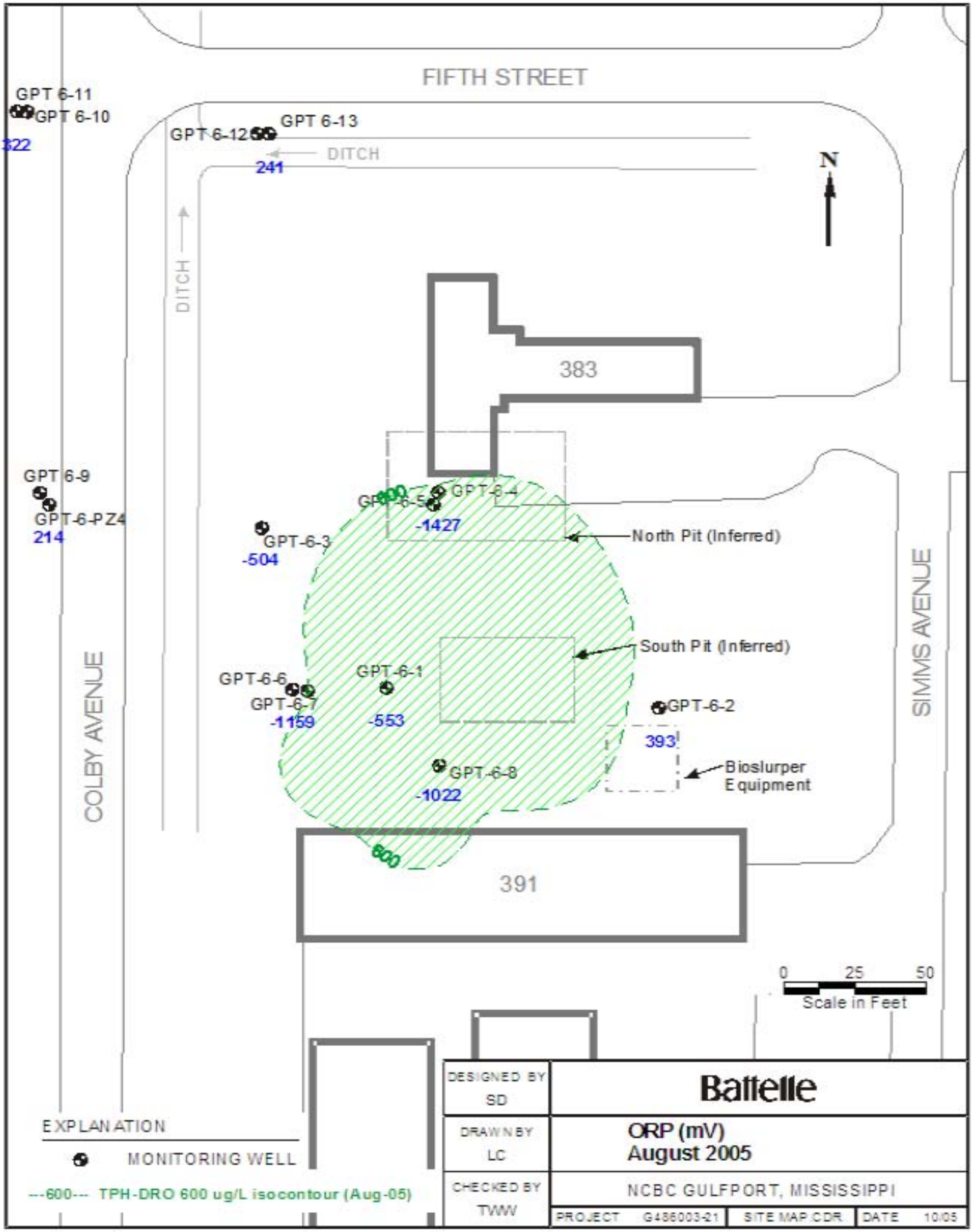

FIFTH STREET
GPT 6-11
GPT 6-10
0.34
GPT 6-12
GPT 6-13
0.18
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
1.85
GPT-6-5
GPT-6-4
0.45
GPT-6-3
0.2
North Pit (Inferred)
South Pit (Inferred)
SIMMS AVENUE
COLBY AVENUE
GPT-6-6
GPT-6-7
0.13
GPT-6-1
0.15
GPT-6-2
0.2
GPT-6-8
0.15
Bioslurper Equipment
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Dissolved Oxygen (mg/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

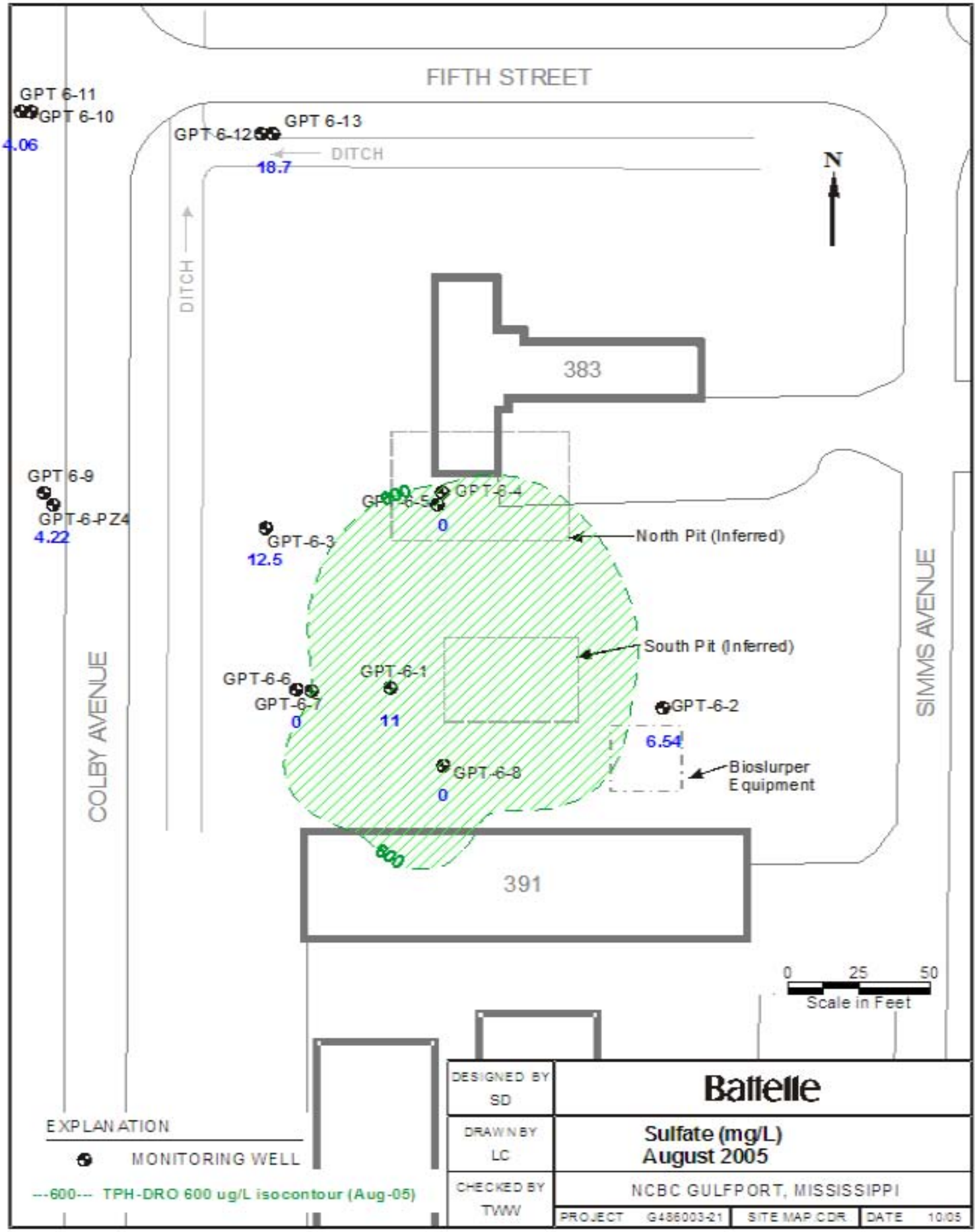

FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
0.63
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-3
1.57
600
GPT-6-5
GPT-6-4
0.45
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
0.394
GPT-6-1
7.46
GPT-6-2
0
Bioslurper Equipment
GPT-6-8
11.7
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Ferrous Iron (mg/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

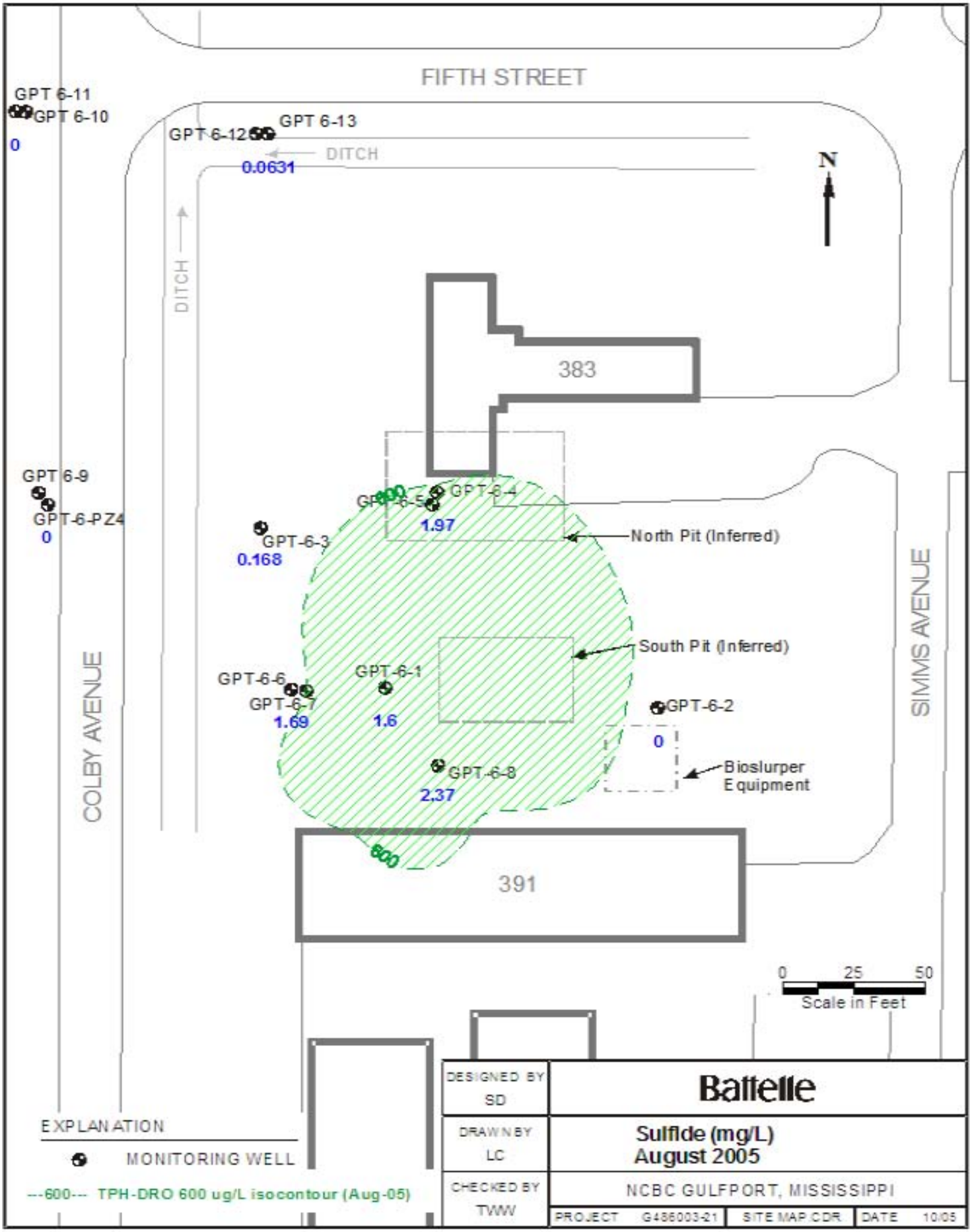

FIFTH STREET
GPT 6-11
GPT 6-10
3.4
GPT 6-12
GPT 6-13
9.2
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
5.1
600
GPT-6-5
GPT-6-4
107
GPT-6-3
22.8
North Pit (Inferred)
South Pit (Inferred)
COLBY AVENUE
SIMMS AVENUE
GPT-6-6
GPT-6-7
3.5
GPT-6-1
78.4
GPT-6-2
0
Bioslurper Equipment
GPT-6-8
90.2
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Dissolved Manganese (ug/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05


FIFTH STREET
GPT 6-11
GPT 6-10
364
GPT 6-12
GPT 6-13
37.6
DITCH
DITCH
N
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-3
92.6
600
GPT-6-5
GPT-6-4
9790
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
2900
GPT-6-1
186
GPT-6-2
0
GPT-6-8
789
Bioslurper Equipment
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Methane (ug/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05


FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
DITCH
0
N
DITCH
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-5
GPT-6-4
0
GPT-6-3
0
North Pit (Inferred)
South Pit (Inferred)
COLBY AVENUE
SIMMS AVENUE
GPT-6-6
GPT-6-7
0
GPT-6-1
0
GPT-6-2
0
GPT-6-8
0
Bioslurper Equipment
600
391
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Nitrate (mg/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

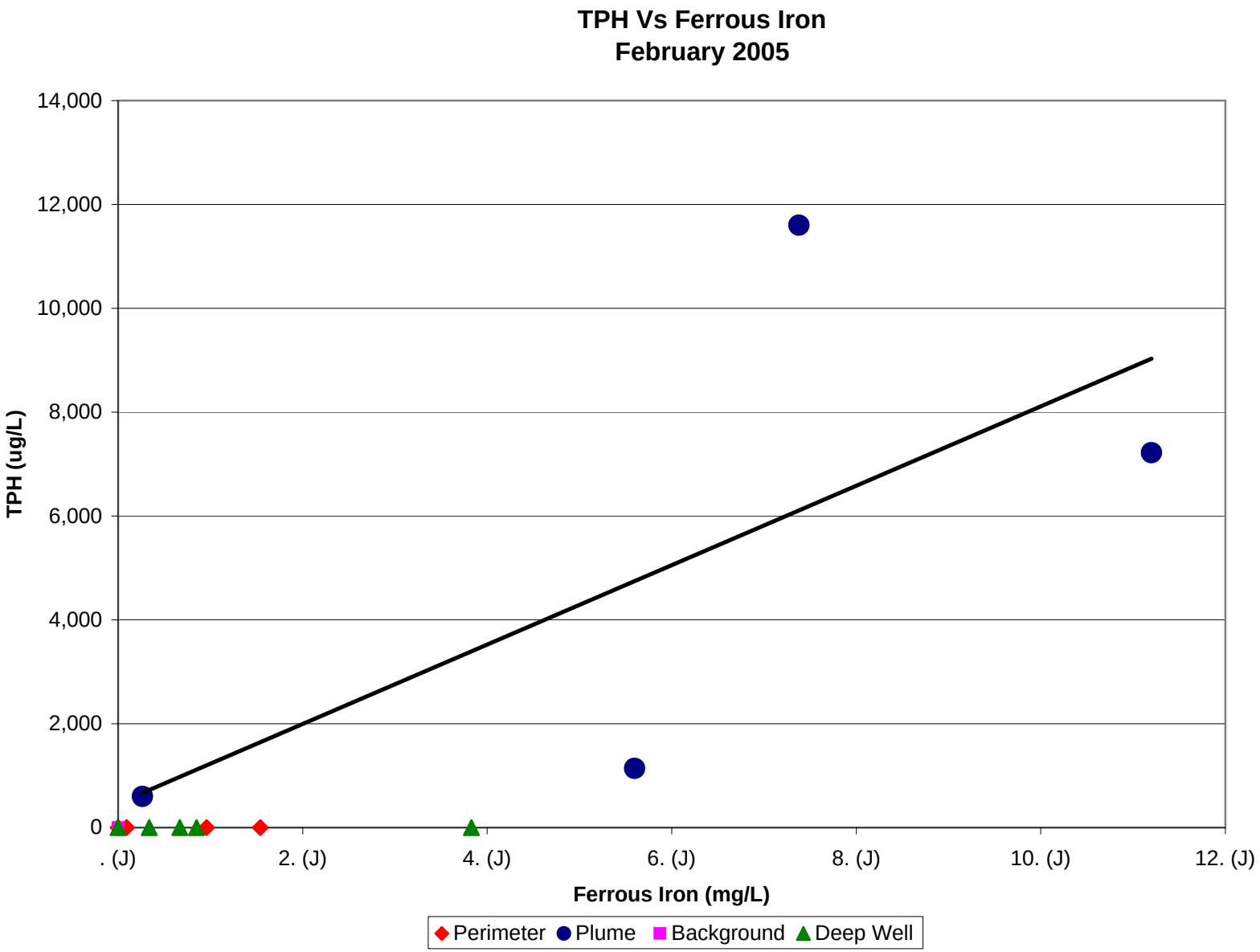

FIFTH STREET
GPT 6-11
GPT 6-10
322
GPT 6-12
GPT 6-13
241
DITCH
DITCH
N
383
GPT 6-9
GPT-6-PZ4
214
GPT-6-3
-504
GPT-6-5
-1427
GPT-6-4
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
-1159
GPT-6-1
-553
GPT-6-2
393
GPT-6-8
-1022
Bioslurper Equipment
600
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
ORP (mV)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

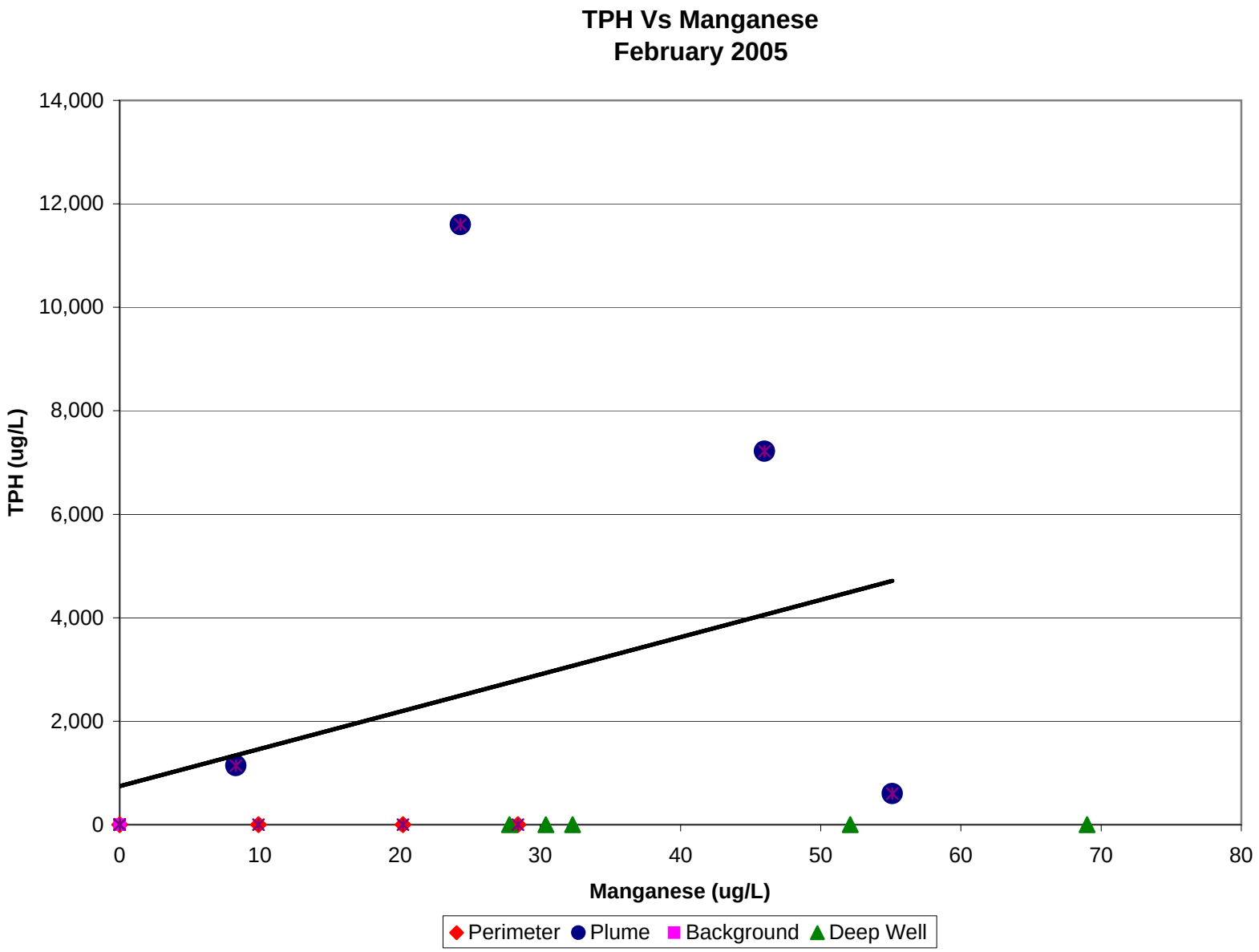

FIFTH STREET
GPT 6-11
GPT 6-10
4.06
GPT 6-12
GPT 6-13
18.7
DITCH
N
DITCH
383
GPT 6-9
GPT-6-PZ4
4.22
GPT-6-3
12.5
600
GPT-6-5
GPT-6-4
0
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
0
GPT-6-1
11
GPT-6-2
6.54
GPT-6-8
0
Bioslurper Equipment
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Sulfate (mg/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

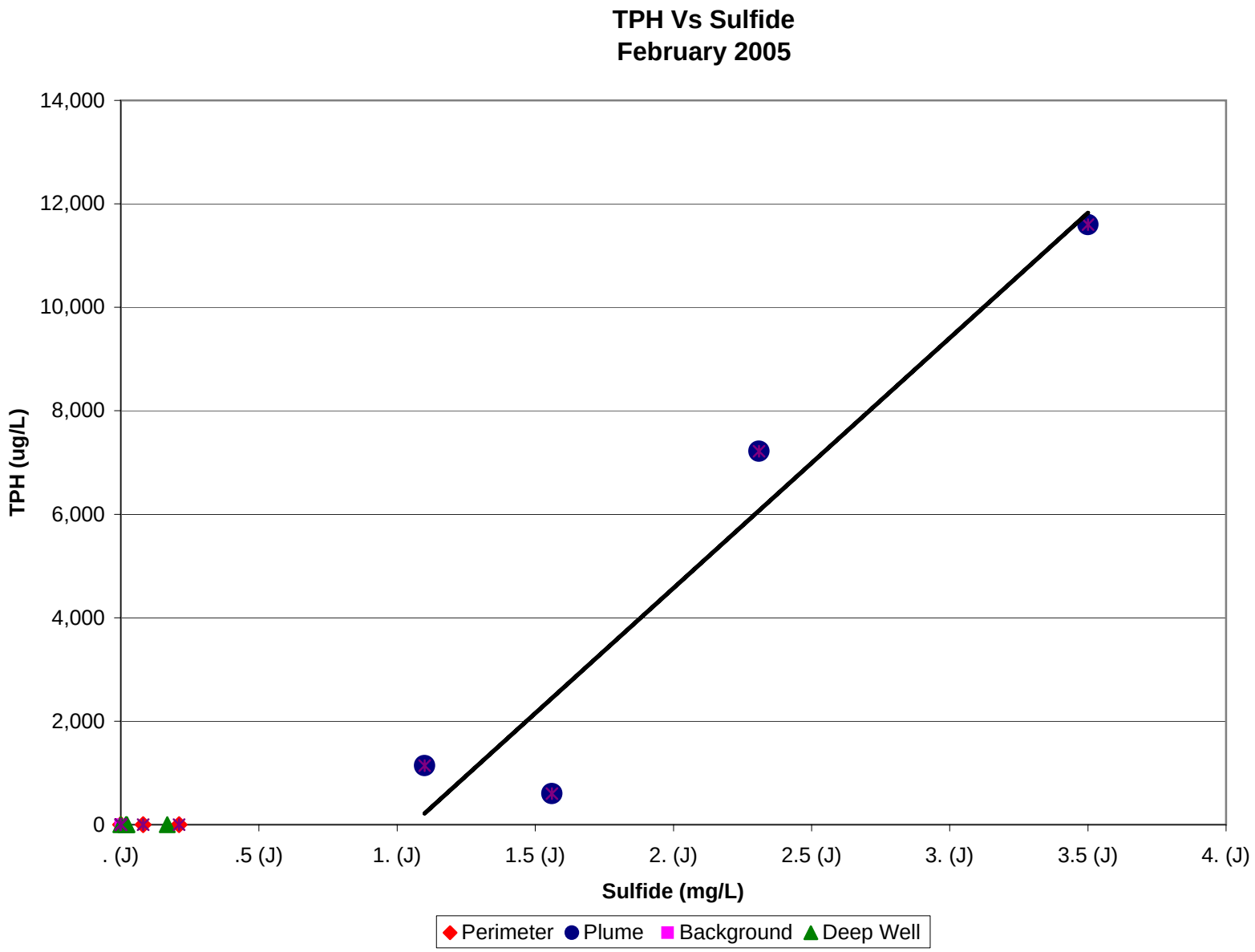

FIFTH STREET
GPT 6-11
GPT 6-10
0
GPT 6-12
GPT 6-13
0.0631
DITCH
DITCH
N
383
GPT 6-9
GPT-6-PZ4
0
GPT-6-3
0.168
600
GPT-6-5
GPT-6-4
1.97
North Pit (Inferred)
South Pit (Inferred)
GPT-6-6
GPT-6-7
1.69
GPT-6-1
1.6
GPT-6-2
0
Bioslurper Equipment
GPT-6-8
2.37
600
391
COLBY AVENUE
SIMMS AVENUE
0 25 50
Scale in Feet
EXPLANATION
MONITORING WELL
---600--- TPH-DRO 600 ug/L isocontour (Aug-05)
DESIGNED BY SD
DRAWN BY LC
CHECKED BY TWW
Battelle
Sulfide (mg/L)
August 2005
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-21
SITE MAP CDR
DATE 10/05

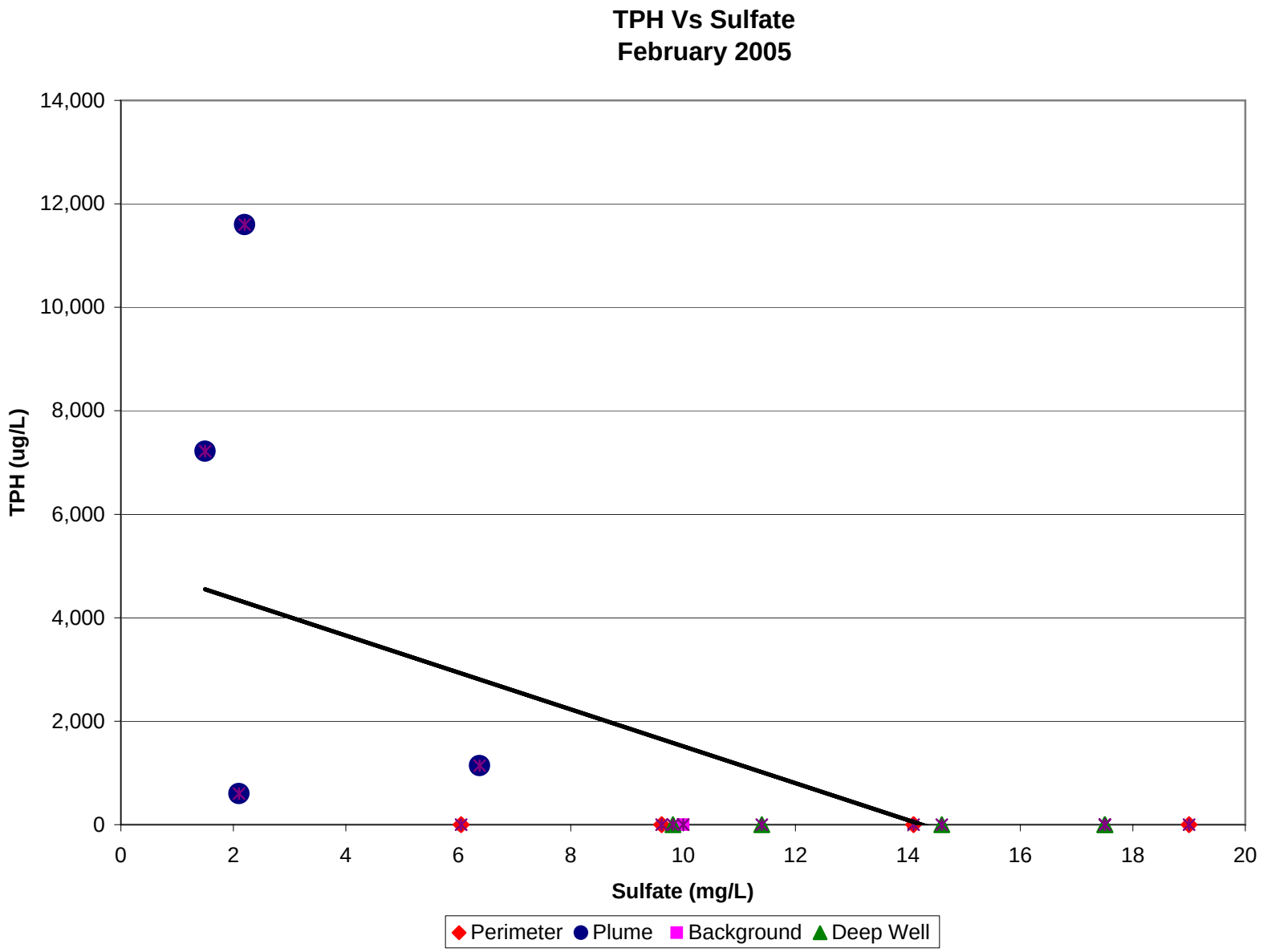
ATTACHMENT 5:

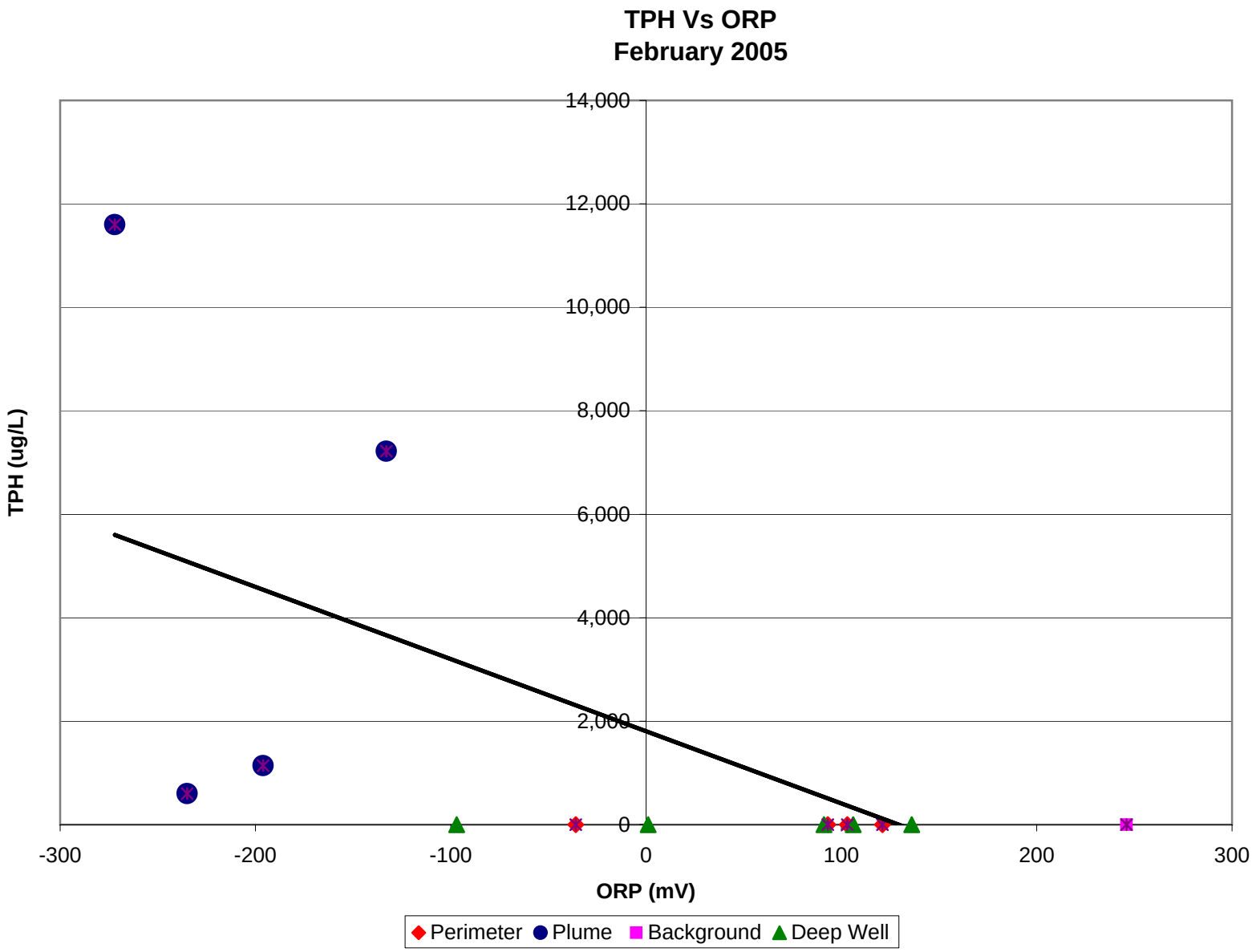
Graphs Showing TPH Concentrations vs. Natural Attenuation Indicator Concentrations
February 2005

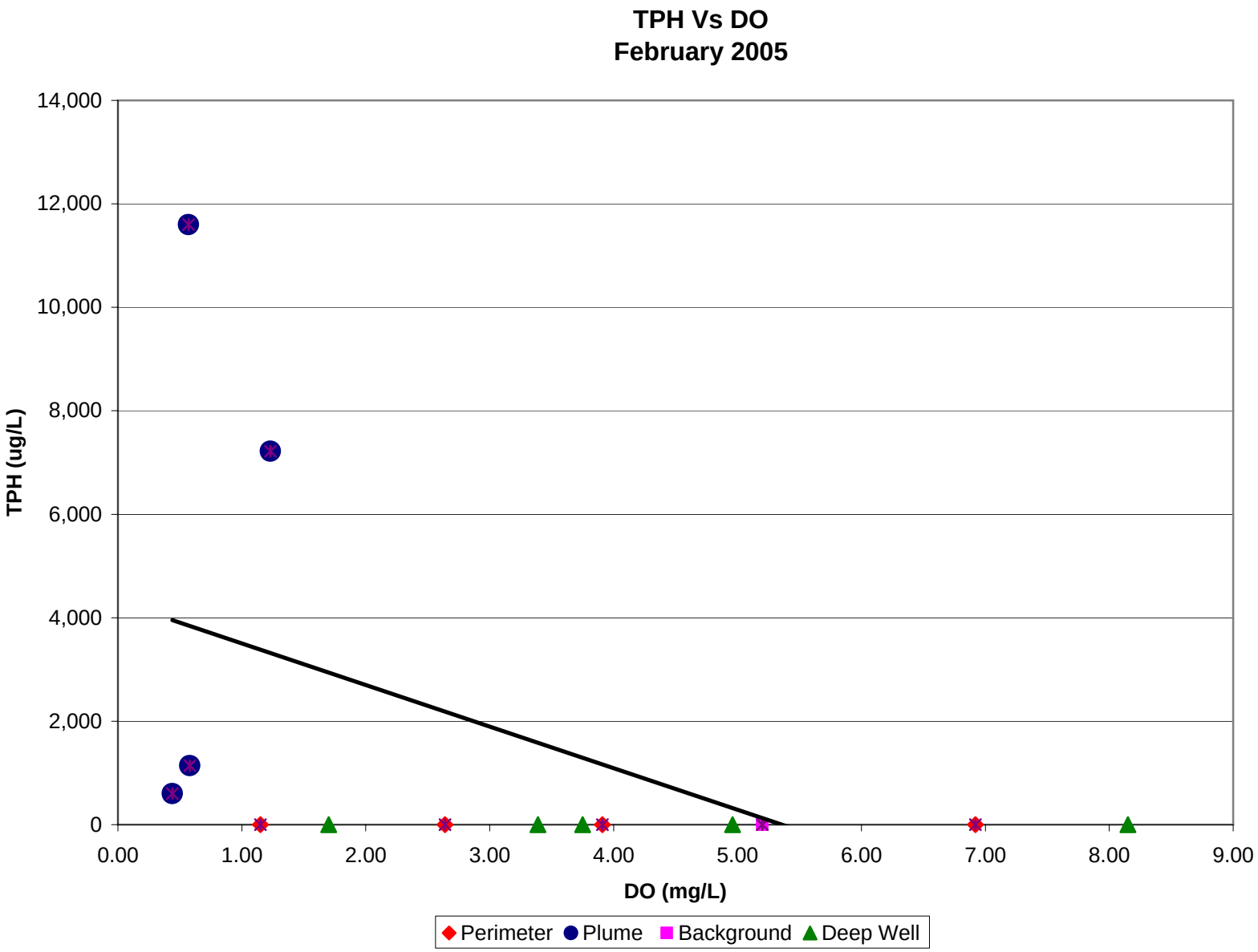

TPH Vs Ferrous Iron
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
. (J)
2. (J)
4. (J)
6. (J)
8. (J)
10. (J)
12. (J)
Ferrous Iron (mg/L)
Perimeter
Plume
Background
Deep Well

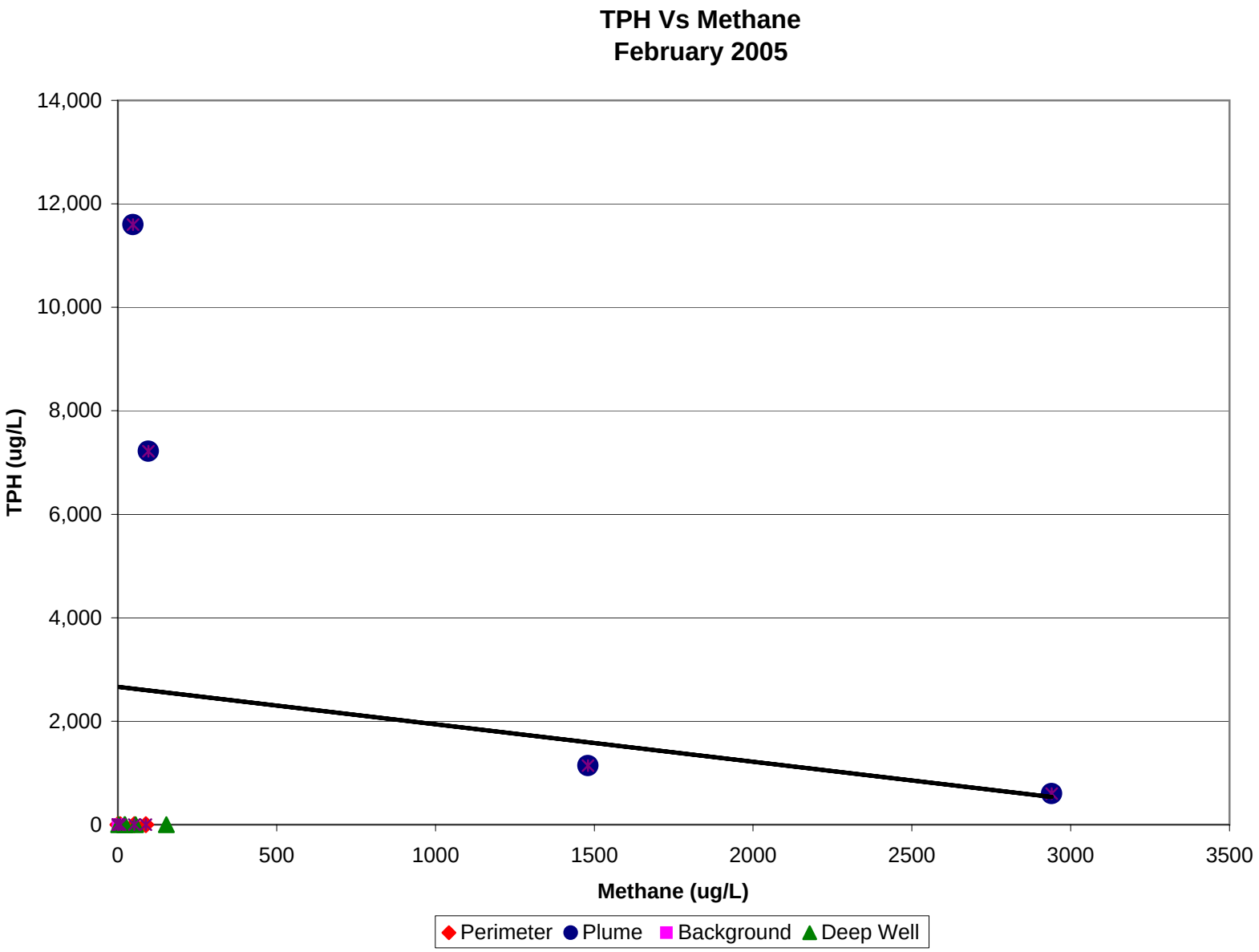

TPH Vs Manganese
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
0
10
20
30
40
50
60
70
80
Manganese (ug/L)
Perimeter
Plume
Background
Deep Well

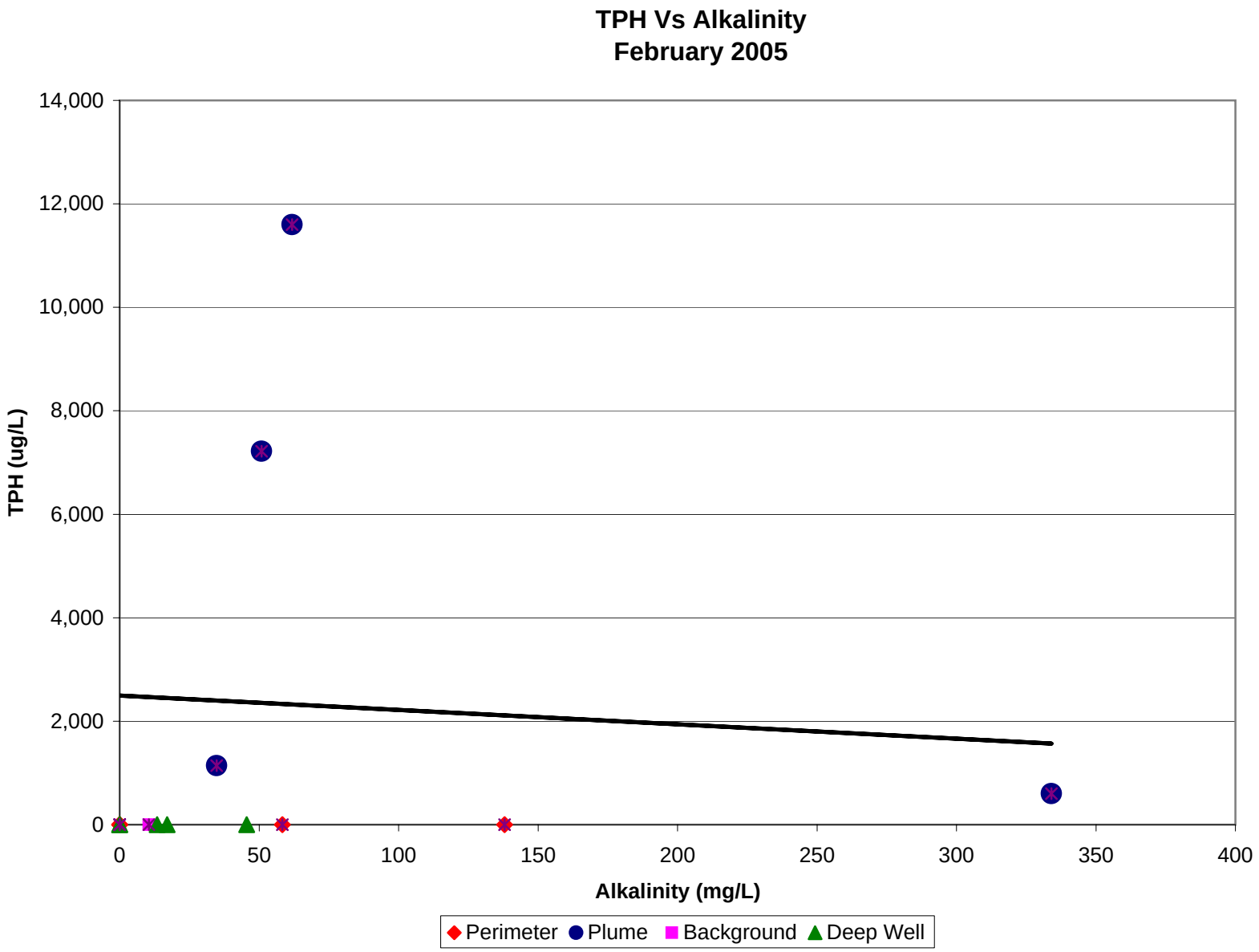

TPH Vs Sulfide
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
. (J)
.5 (J)
1. (J)
1.5 (J)
2. (J)
2.5 (J)
3. (J)
3.5 (J)
4. (J)
Sulfide (mg/L)
Perimeter
Plume
Background
Deep Well


TPH Vs Sulfate
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
0
2
4
6
8
10
12
14
16
18
20
Sulfate (mg/L)
Perimeter
Plume
Background
Deep Well


TPH Vs ORP
February 2005
TPH (ug/L)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
-300
-200
-100
0
100
200
300
ORP (mV)
Perimeter
Plume
Background
Deep Well

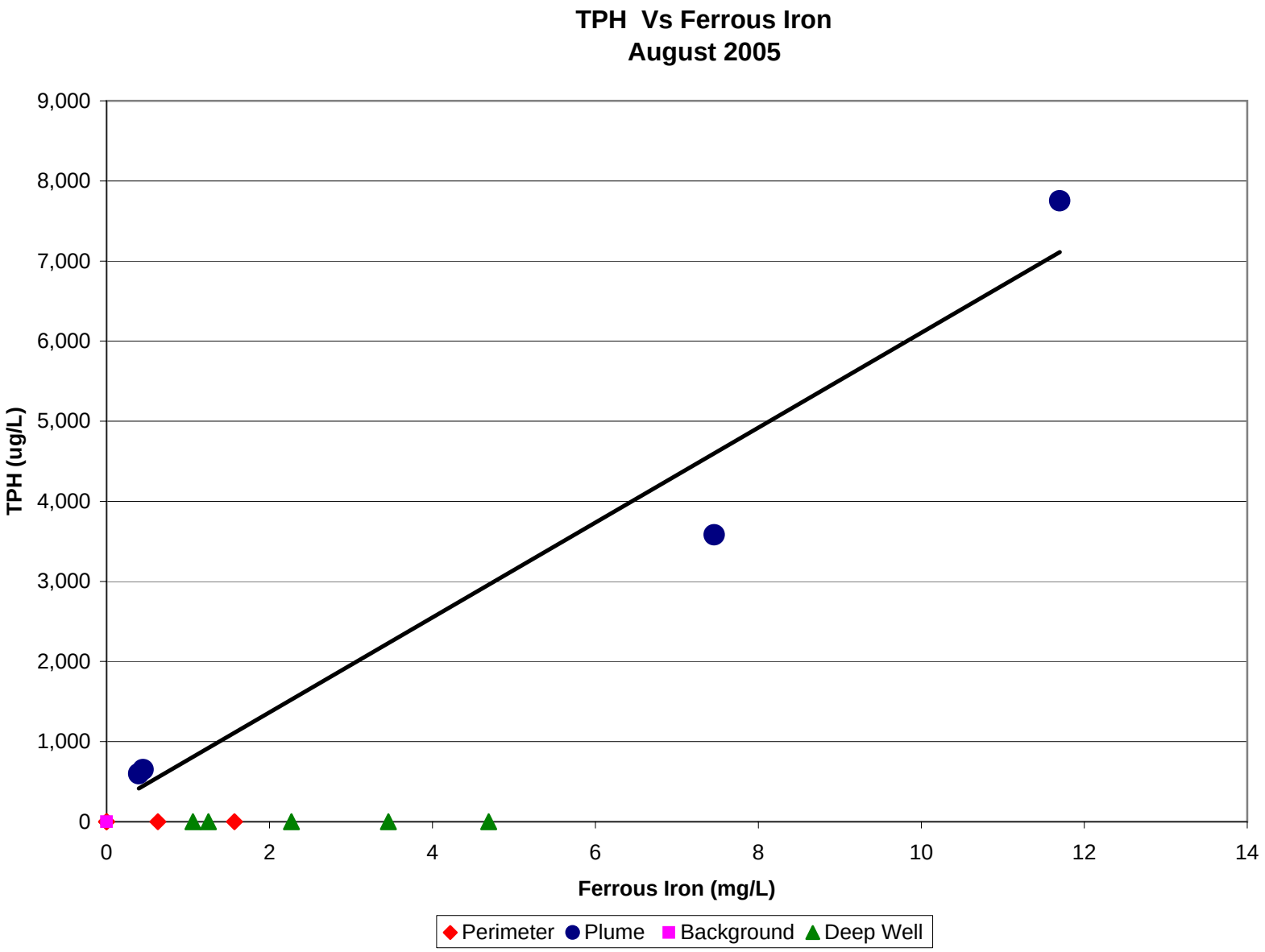

TPH Vs DO
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
0.00
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
DO (mg/L)
Perimeter
Plume
Background
Deep Well

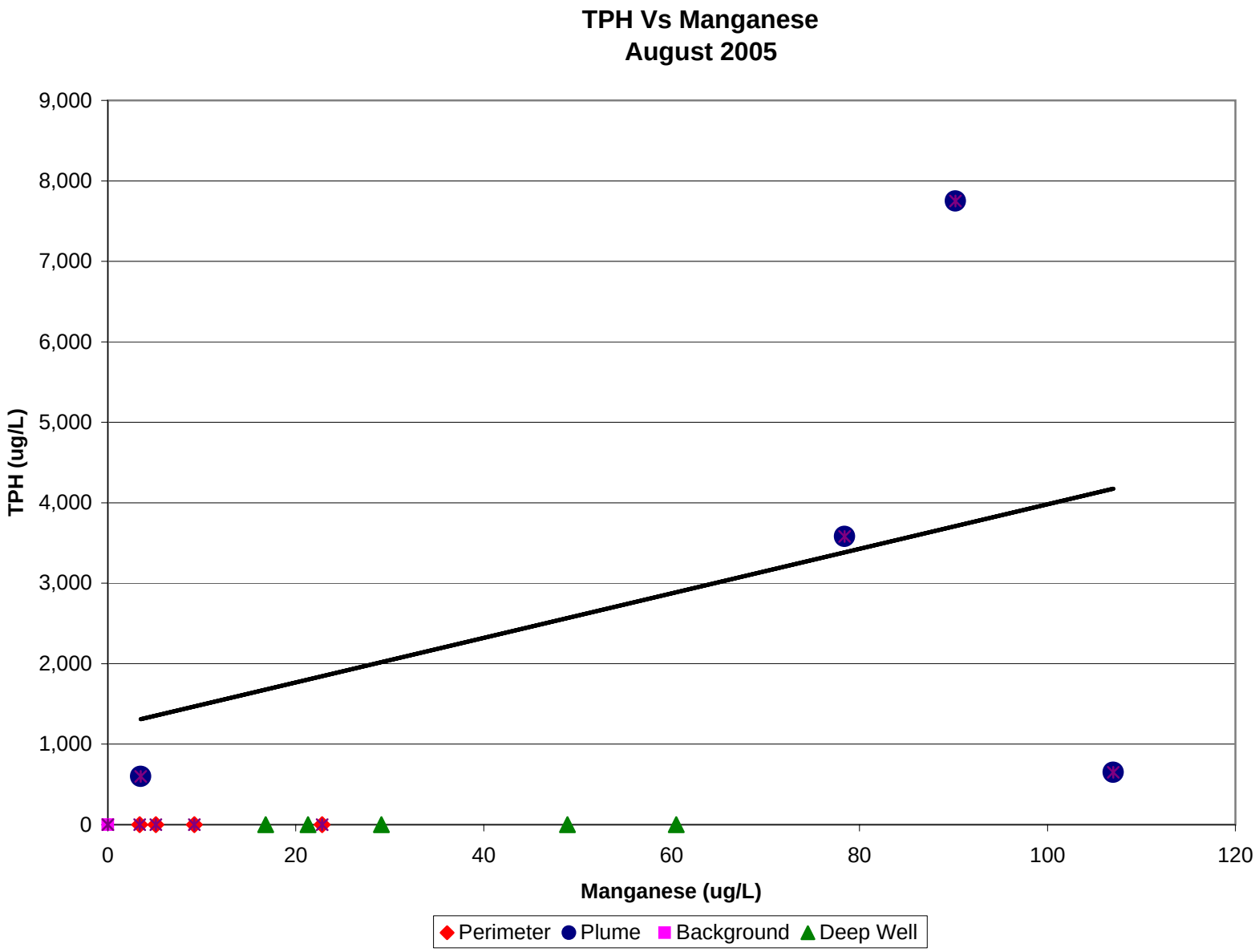

TPH Vs Methane
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
0
500
1000
1500
2000
2500
3000
3500
Methane (ug/L)
Perimeter
Plume
Background
Deep Well

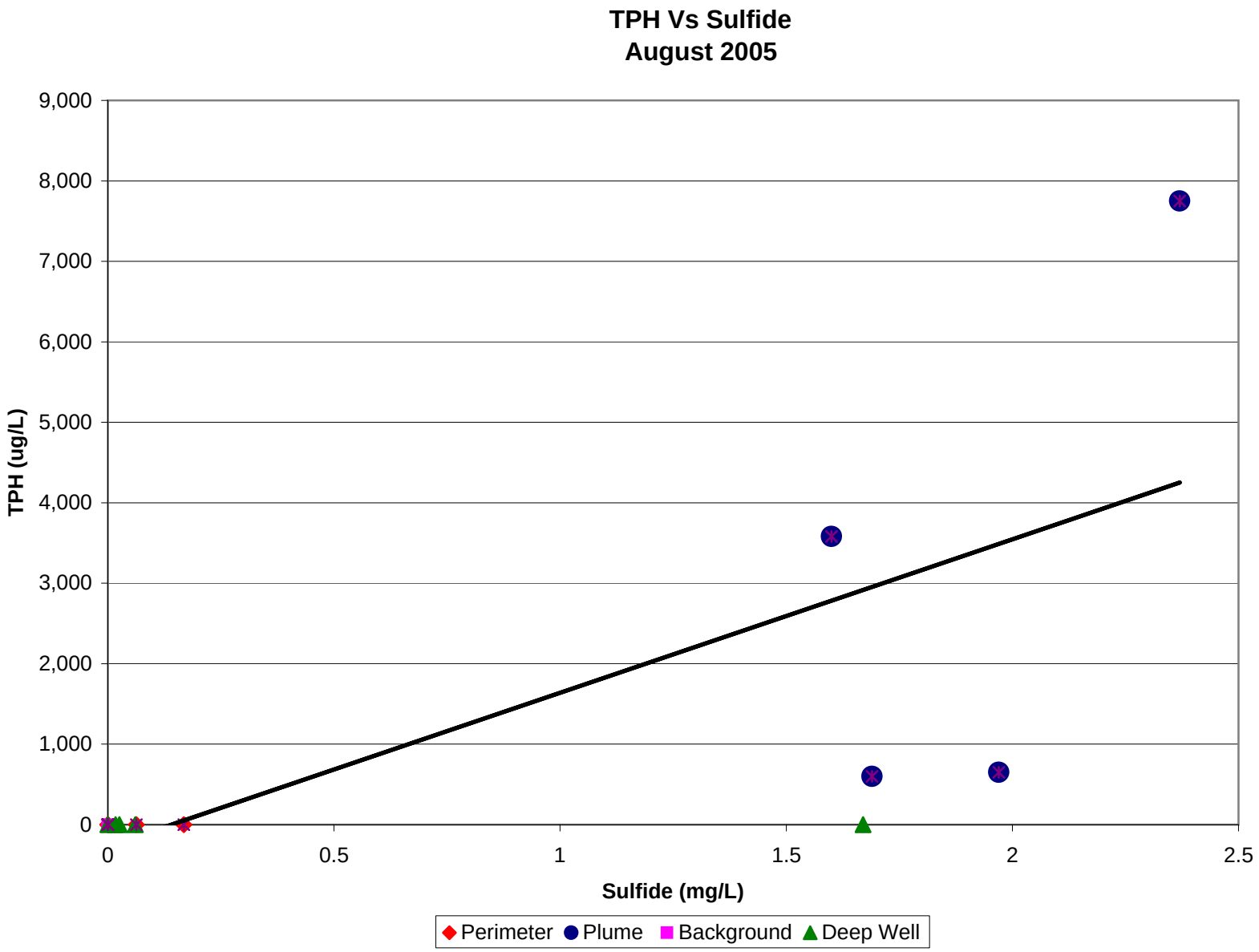

TPH Vs Alkalinity
February 2005
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH (ug/L)
0
50
100
150
200
250
300
350
400
Alkalinity (mg/L)
Perimeter
Plume
Background
Deep Well

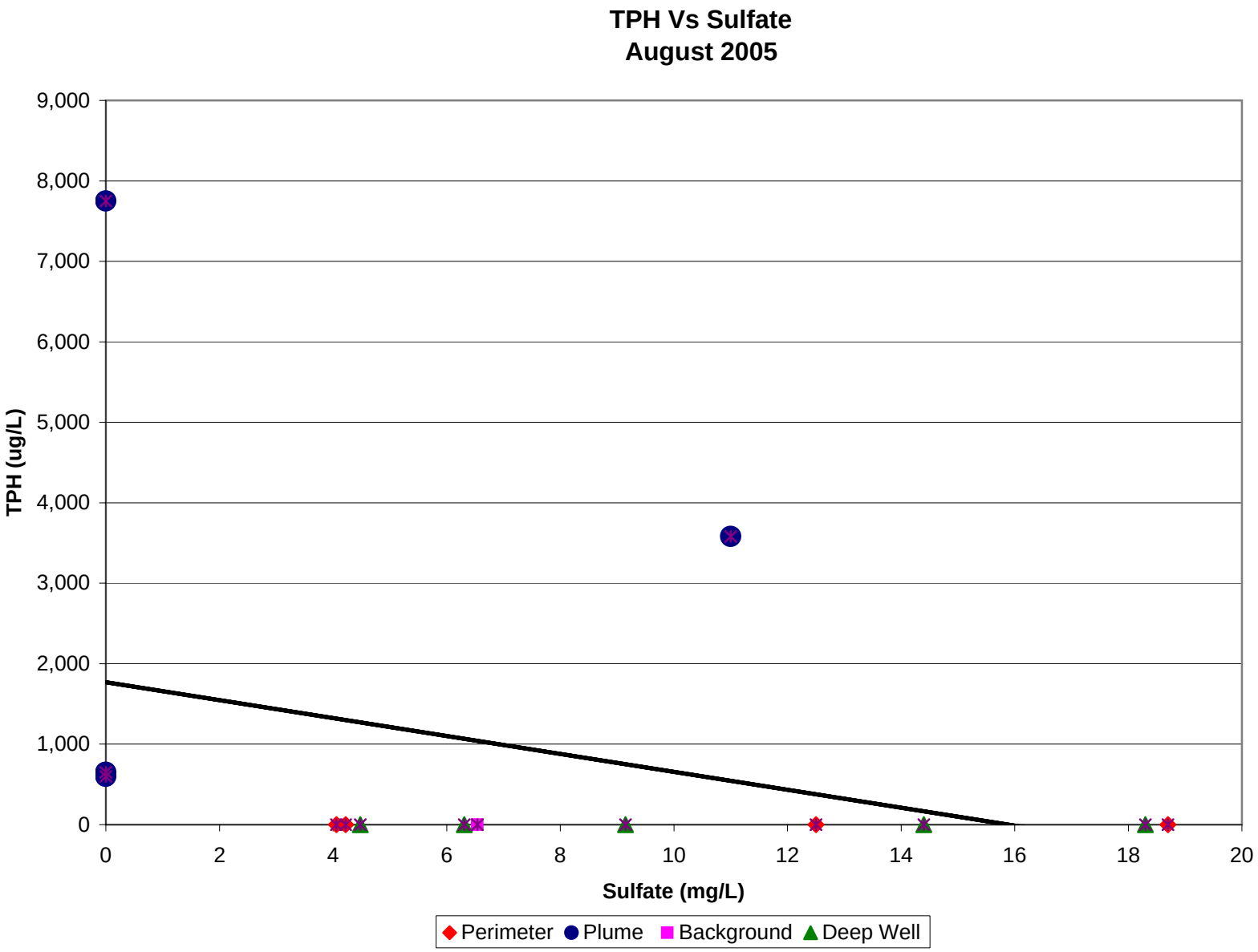
ATTACHMENT 6:

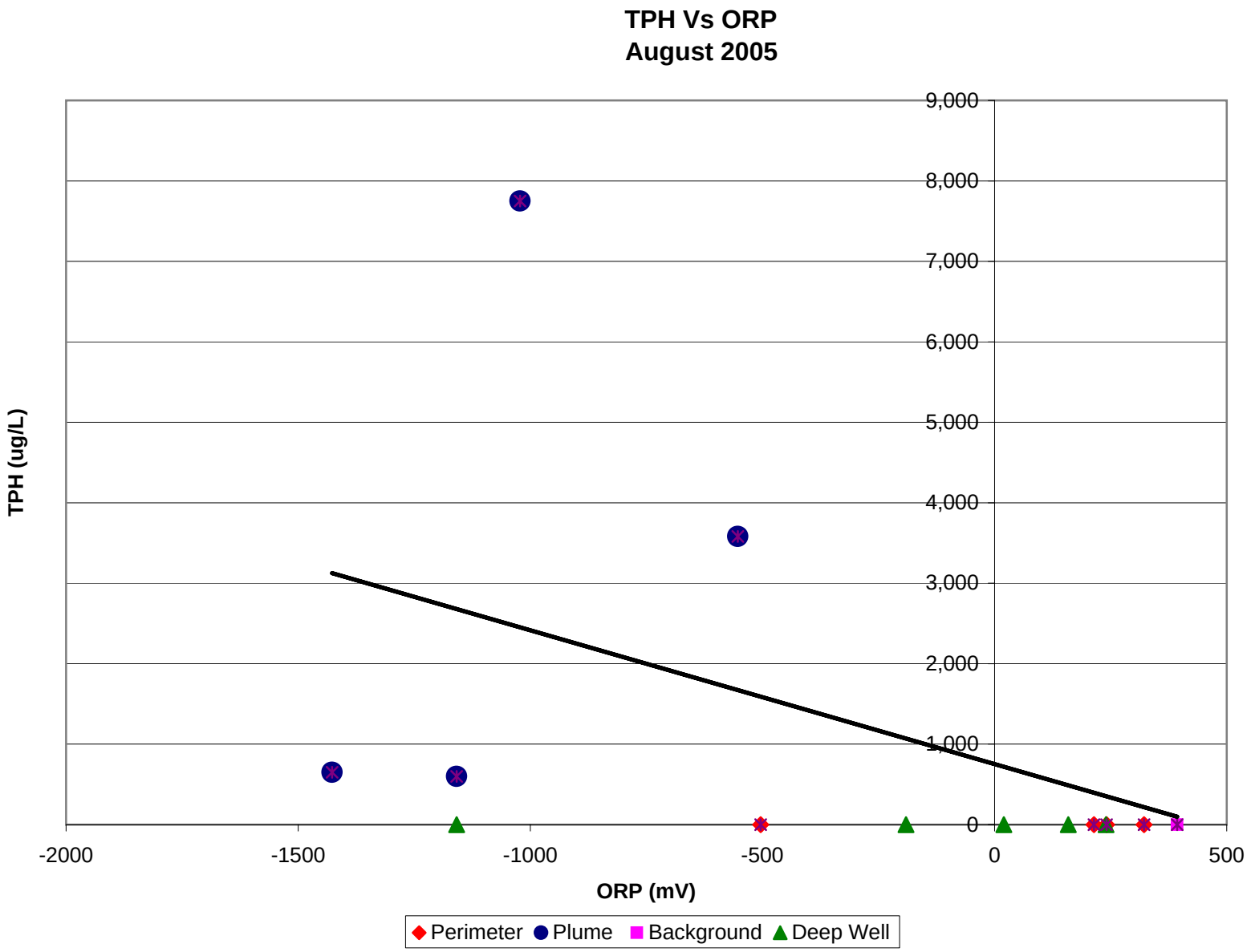
Graphs Showing TPH Concentrations vs. Natural Attenuation Indicator Concentrations
August 2005

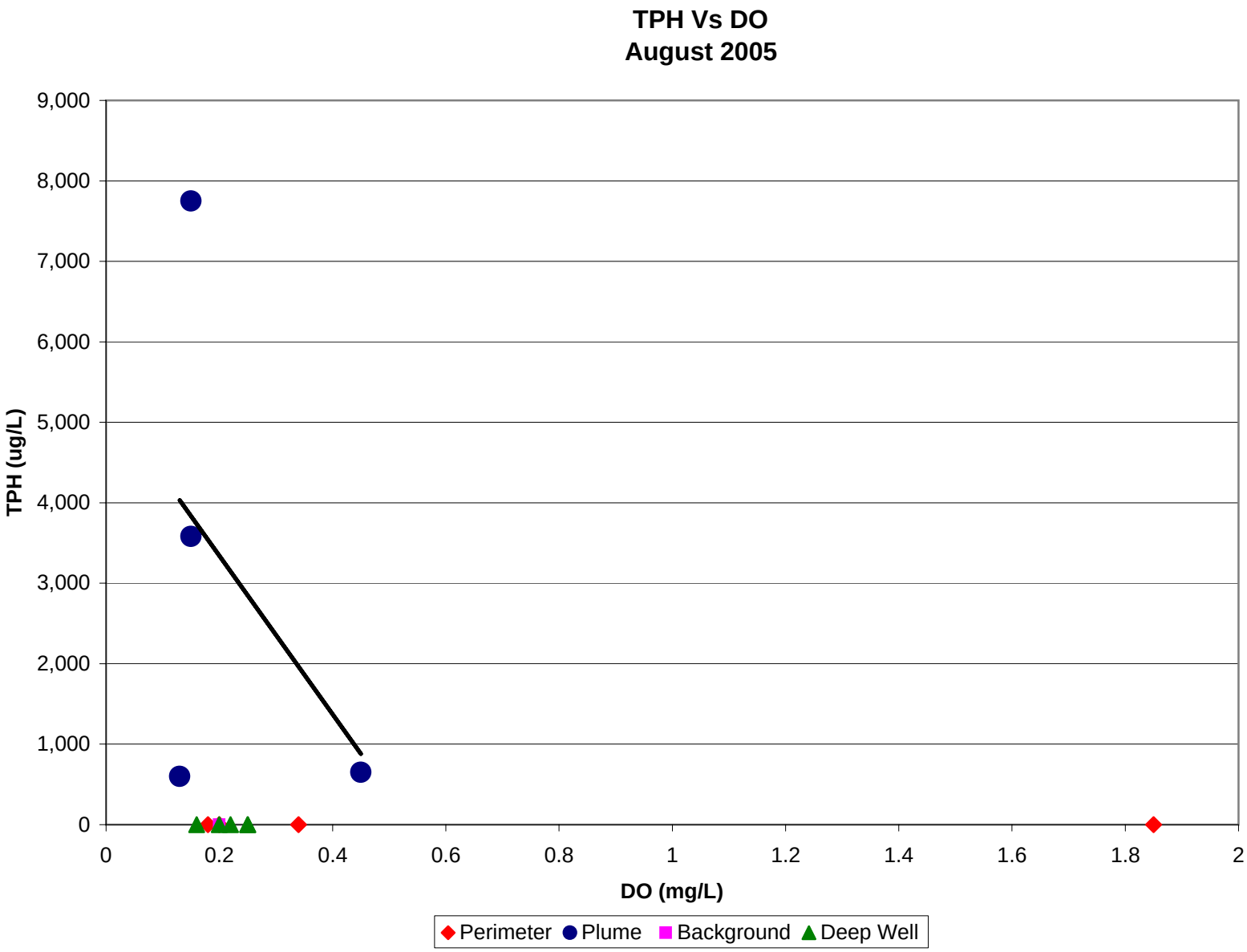

TPH Vs Ferrous Iron
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
2
4
6
8
10
12
14
Ferrous Iron (mg/L)
Perimeter
Plume
Background
Deep Well

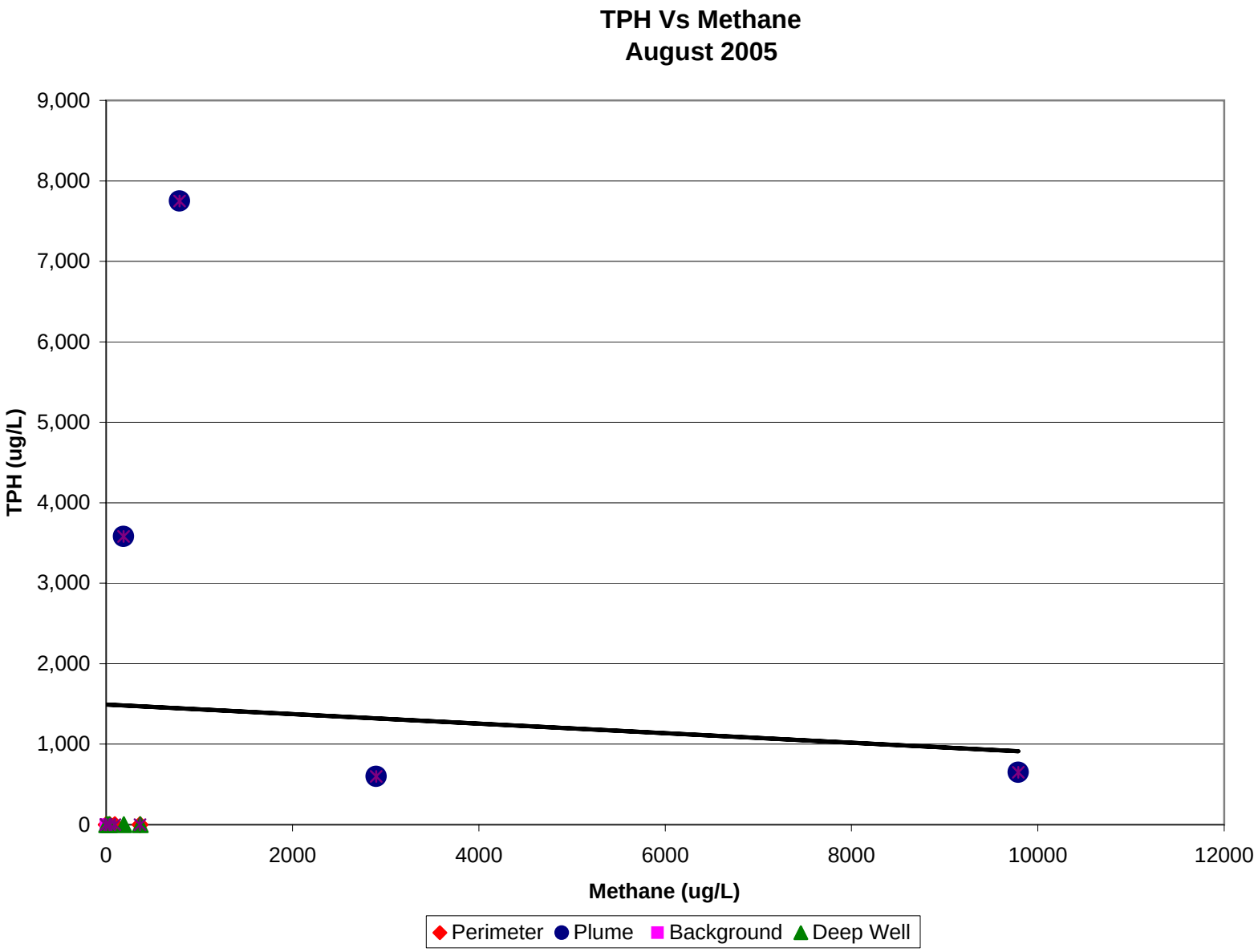

TPH Vs Manganese
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
20
40
60
80
100
120
Manganese (ug/L)
Perimeter
Plume
Background
Deep Well

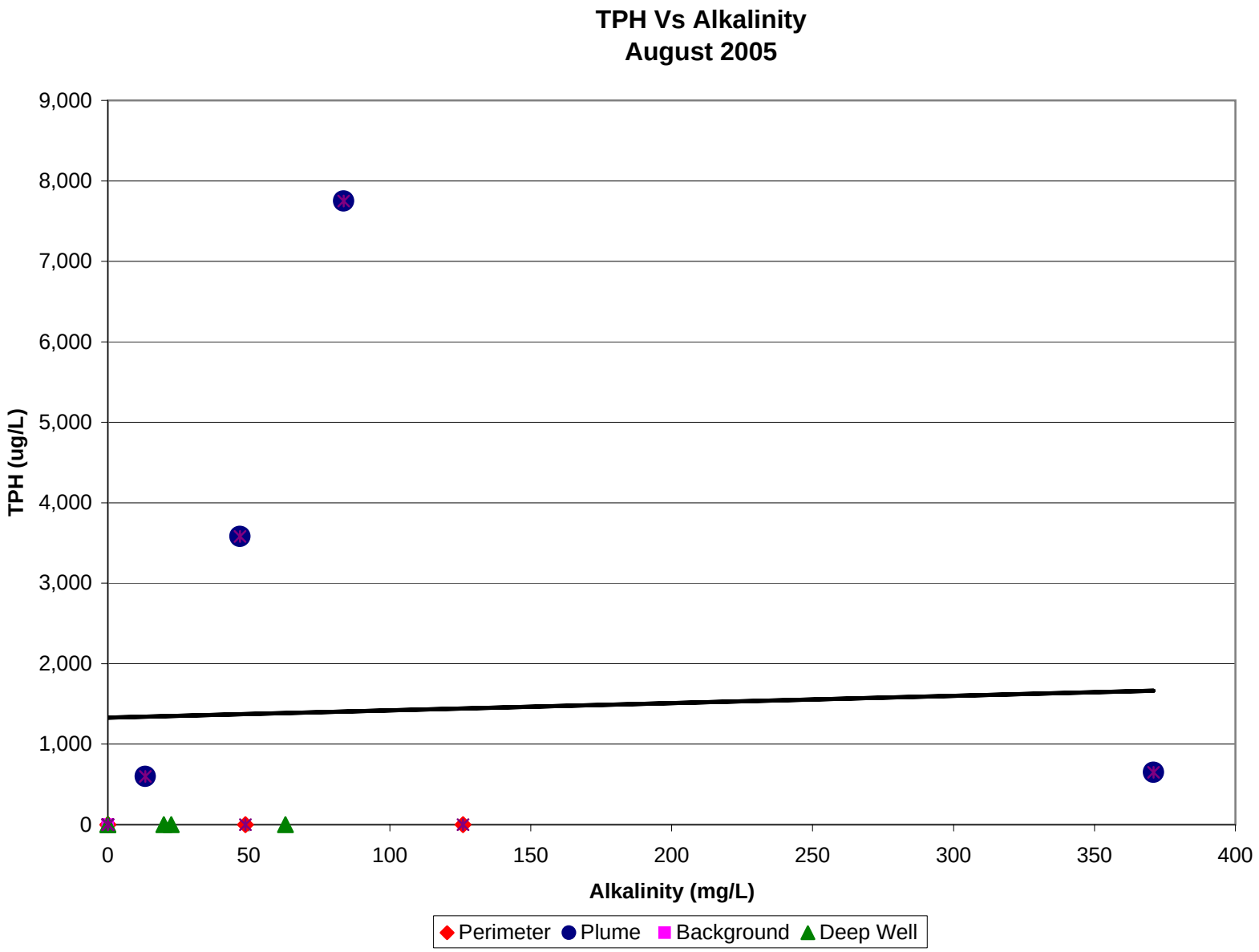

TPH Vs Sulfide
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
0.5
1
1.5
2
2.5
Sulfide (mg/L)
Perimeter
Plume
Background
Deep Well


TPH Vs Sulfate
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
2
4
6
8
10
12
14
16
18
20
Sulfate (mg/L)
Perimeter
Plume
Background
Deep Well


TPH Vs ORP
August 2005
TPH (ug/L)
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
-2000
-1500
-1000
-500
0
500
ORP (mV)
Perimeter
Plume
Background
Deep Well


TPH Vs DO
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
DO (mg/L)
Perimeter
Plume
Background
Deep Well


TPH Vs Methane
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
2000
4000
6000
8000
10000
12000
Methane (ug/L)
Perimeter
Plume
Background
Deep Well


TPH Vs Alkalinity
August 2005
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
TPH (ug/L)
0
50
100
150
200
250
300
350
400
Alkalinity (mg/L)
Perimeter
Plume
Background
Deep Well

APPENDIX A:

Analytical Results for February 2005

DHL ANALYTICAL

March 01, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0502051

Dear Lydia Cumming:

DHL Analytical received 4 samples on 2/9/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL

TABLE OF CONTENTS

This report for Battelle: Gulfport (DHL Work Order 0502051) contains the following information:

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• Data Package Signature Page	6
• Laboratory Review Checklist	7-8
• Case Narrative	9-11
• Work Order Summary	12
• Preparation Dates Report	13-14
• Analytical Dates Report	15-16
• Sample Results	17-33
• QC Summary Report	34-85
• MQL Summary Report	86-90
• Total Number of Pages	90

March 1, 2005

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 21663

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMING
ADDITIONAL REPORT COPIES TO: LABORATORY DATA CONSULTANTS

DATE: 2-8-05 PAGE 1 OF 1
PO #:
DHL WORK ORDER #: 050205 /
PROJECT LOCATION OR NAME: GULFPORT
CLIENT PROJECT #: 648603 COLLECTOR: LC

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No please call

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ / TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ / GASOLINE MOD 8015 ☐ / DIESEL MOD 8015 ☐ / VOC 8260 ☐ / SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ / 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ / 8082 PCBS ☐ / TCLP - METALS (RCRA) ☐ TCLP VOC ☐ / TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ / TOTAL METALS (RCRA) ☐ OTHER USE ☐ / LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ / RCI ☐ TOX ☐ FLASHPOINT ☐ / TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ / pH ☐ HEXAVALENT CHROMIUM ☐ / EXPLOSIVES ☐ PECHLORATE ☐ / CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐ / METHANE, ETHANE, ETHENE / NITRATE / SULFATE

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	BTEX	TRPH 418.1	GASOLINE MOD 8015	DIESEL MOD 8015	VOC 8260	SVOC 8270	8081 PESTICIDES	8082 PCBS	TCLP - METALS (RCRA)	TCLP - PEST	TOTAL METALS (RCRA)	LEAD - TOTAL	RCI	TDS	pH	EXPLOSIVES	CHLORIDE	METHANE, ETHANE, ETHENE	NITRATE	SULFATE	FIELD NOTES
GPT-6-12	01	2-8-05	1505	AQ	VOA	3	X			X						X																
"		"	"	AQ	500mL Amber	2				X	X						X															
"		"	"	AQ	250mL Plastic	1		X		X											X											Filtered. Mn + Fe
"		"	"	AQ	1L Amber	1	X			X			X																			TPH-DRO
"		"	"	AQ	VOA	3	X			X			X																			TPH GRO HOLD ONE
"		"	"	AQ	VOA	3				X	X																	X				VOA FOR PR ANALYSIS
"		"	"	AQ	500mL Plastic	1				X	X																X		X			
"		"	"	AQ	500mL Plastic	1			X	X																				X		
"		"	"	AQ	VOAs	2				X	X										X											Fe, NOT FILTERED
TRIP BLANK	02	"	NA	AQ	VOAs	2	X			X						X																
EW-19-020805	03	2-8-05	1130	LNAPL	Jar	1						Viscosity, density, hydrocarbon range, VOCs, BTEX, SVOCS																				
EW-12-020805	04	2-8-05	1200	LNAPL	Jar	3						Viscosity, density, hydrocarbon range, VOCs, BTEX, SVOCS																				
TOTAL																																

RELINQUISHED BY: (Signature) Lyda C DATE/TIME 2-8-05 1730 RECEIVED BY: (Signature) FX
RELINQUISHED BY: (Signature) FX 2-9-05 830 DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☒ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☒ NITRATE SHORT HOLD TIME

LABORATORY USE ONLY:
RECEIVING TEMP: 5.9 THERM #: 42
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

FedEx Express **US Airbill**

FedEx Tracking Number 8465 4392 4068

Form ID No. 0215

1 From This package will leave the U.S. subject to U.S. Export Regulations

Date 7 8 05 FedEx Tracking Number 846543924068

Sender's Name LINDA CUMMINGS Phone [illegible]

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201-2693

2 Your Internal Billing Reference [illegible]

3 To

Recipient's Name [illegible] Phone 512 337 8772

Company DHL ANALITICAL

Recipient's Address 2300 DOUBLE CREEK DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here

City ROUND ROCK State TX ZIP 78664

8465 4392 4068

0277053415

4a Express Package Service *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One pound rate.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation.

5 Packaging *Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] **SATURDAY Delivery** — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] **HOLD Weekday at FedEx Location** — Not available for FedEx First Overnight
- [ ] **HOLD Saturday at FedEx Location** — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 _____ x _____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages: 1 Total Weight: 35 Total Charges: _____ Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339

SRS• Rev. Date 11/03• Part #150273• DI/PS• 2003 FedEx• PRINTED IN U.S.A.

466

ALIGN OPEN END OF FEDEX AIRBILL POUCH HE

DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** Date Received: **2/9/05**

Work Order Number **0502051** Received by MKS

Checklist completed by [signature] Signature 2-9-5 Date Reviewed by JD Initials 2/09/05 Date

Carrier name: FedEx 2day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon recipt?	Yes ☑	No ☐	NotApplicable ☐

Adjusted? N Checked by [signature]

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action Taken: _____

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
Michelle Green – QA Manager
John DuPont – General Manager

Signature

3/01/05
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Gulfport	Date: 3/1/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0502051
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		CHAIN-OF-CUSTODY (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				R1-01
		2) Were all departures from standard conditions described in an exception report?					
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	✓				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		3) Were calculations checked by a peer or supervisor?	✓				
		4) Were all analyte identifications checked by a peer or supervisor?	✓				
		5) Were sample quantitation limits reported for all analytes not detected?	✓				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		8) If required for the project, TICs reported?			✓		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	✓				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		✓			R4-02
R5	OI	**TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	✓				
		2) Were blanks analyzed at the appropriate frequency?	✓				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		4) Were blank concentrations < MQL?	✓				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS)**					
		1) Were all COCs included in the LCS?	✓				
		2) Was each LCS taken through the entire analytical procedure, (prep and cleanup steps)?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs & RPD recovery within the laboratory QC limits?		✓			R6-04
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	✓				
		2) Were MS/MSD analyzed at the appropriate frequency?	✓				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✓			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?		✓			R7-04
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	✓				
		2) Were analytical duplicates analyzed at the appropriate frequency?	✓				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS)**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	✓				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		3) Are unadjusted MQLs included in the laboratory data package?	✓				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓		✗		R10-01
		2) Were all necessary corrective actions performed for the reported data?	✓				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Gulfport	Date: 3/1/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0502051

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		2) Were percent RSDs or correlation coefficient criteria met?	✓				
		3) Was the number of standards recommended in the method used for all analytes?	✓				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		5) Are ICAL data available for all instruments used?	✓				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	✓				
		2) Were percent differences for each analyte within the method-required QC limits?		✓			S2-02
		3) Was the ICAL curve verified for each analyte?	✓				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✓				
S3	O	**MASS SPECTRAL TUNING**					
		1) Was the appropriate compound for the method used for tuning?	✓				
		2) Were ion abundance data within the method-required QC limits?	✓				
S4	O	**INTERNAL STANDARDS (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, & SECTION 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		2) Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**DUAL COLUMN CONFIRMATION**					
		1) Did dual column confirmation results meet the method-required QC?	✓				
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS**					
		1) Were percent recoveries within method QC limits?	✓				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	✓				
S10	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	✓				
S11	OI	**PROFICIENCY TEST REPORTS**					
		1) Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**STANDARDS DOCUMENTATION**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		1) Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	✓				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS (NELAC)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS)**					
		1) Are the laboratory SOPs current and on file for each method performed?	✓				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and *made available upon request for the appropriate retention period.*

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable. 4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

CLIENT: Battelle
Project: Gulfport
Lab Order: 0502051

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Method SW8260B - Volatile Organics (soil & water)
Method SW8270C - Semivolatile Organics (soil & water)
Method SW6020 - Metals Analysis
Method Tx1005 - Total Petroleum Hydrocarbons
Method Tx1006 - TPH Fractionation of a Water
Method M8015V - Gasoline Range Organics Analysis
Method M8015D - DRO/ORO Analysis
Method RSKERR - Dissolved Gas Analysis
Method M3500-Fe - Ferrous Iron Analysis
Method E300 - Anions Analysis
Method E310.1 - Alkalinity Analysis
Method E376.2 - Sulfide Analysis
Sub-contract - Viscosity by method ASTM D 445. Analyzed at Texas Oil Tech Laboratories.

Exception Report R1-01

Samples were received and log-in performed on 2/9/05. A total of 4 samples were received. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For DRO/ORO analysis performed on 2/14/05 the surrogate recoveries for sample GPT-6-12 and some QC samples were out of control limits for o-Terphenyl or Octacosane. These are flagged accordingly in the QC summary report. No further corrective actions were required and no sample results were adversely affected.

For Semivolatiles analysis performed on 2/16/05 the surrogate recoveries for samples EW-19-020805 and EW-12-020805 were out of control limits for all surrogates. This was due to dilution effect. These are flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

For TPH analysis performed on 2/15/05 the surrogate recoveries for samples EW-19-020805 and EW-12-020805 were above control limits for 1-Chlorooctane and Octacosane. These are flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

For TPH Fractionation analysis performed on 2/25/05 the surrogate recoveries for samples EW-19-020805 and EW-12-020805 were above control limits for Octacosane. These are flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

For Volatiles analysis performed on 2/16/05 the surrogate recovery for sample EW-12-020805 was slightly above control limits for 4-Bromofluorobenzene. This is flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

Exception Report R6-04

For Semivolatiles analysis performed on 2/15/05 (batches 18314 and 18334) the LCS recoveries were out of control limits for Benzoic acid and Acenaphthylene. All samples were below detection limits for these compounds. No further corrective actions were required and no sample results were adversely affected.

Exception Report R7-03 & R7-04

For Semivolatiles analysis performed on 2/15/05 the matrix spike and matrix spike duplicate recoveries were out of control limits for a few compounds. In addition, the matrix spike and matrix spike duplicate had the RPD out of control limits for Benzoic acid and Pyridine. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The ICV was within control limits for these compounds. No further corrective actions were required and no sample results were adversely affected.

For Ferrous Iron analysis performed on 2/15/05 the matrix spike recovery was slightly below control limits. This is flagged accordingly. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for this analyte. No further corrective actions were required and no sample results were adveresely affected.

Exception Report R10-01

For Volatiles analysis performed on 2/16/05 samples EW-19020805 and EW-12-020805 were diluted prior to analysis due to the nature of the samples.

For Semivolatiles analysis performed on 2/16/05 samples EW-19020805 and EW-12-020805 were diluted prior to analysis due to the nature of the samples.

Exception Report S2-02

For Volatiles analysis performed on 2/14/05 the ICV was slightly above control limits for Iodomethane. This is flagged accordingly in the QC summary report. No further corrective actions were required and no sample

results were adversely affected.

DATA REPORTING

Sample reports include the Sample Quantitation Limit (SQL) and the Reporting Limit (RL) for each analyte. The computer system allows for reporting SQL with 2 significant figures and the RL with 3 significant figures. Because of rounding it may sometimes appear that a "J" flagged result is lower than the SQL if the sample result is very near the SQL.

DHL Analytical

Date: *01-Mar-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0502051

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0502051-01	GPT-6-12		2/8/2005 3:05:00 PM	2/9/2005
0502051-02	Trip Blank		2/8/2005	2/9/2005
0502051-03	EW-19-020805		2/8/2005 11:30:00 AM	2/9/2005
0502051-04	EW-12-020805		2/8/2005 12:00:00 PM	2/9/2005

Lab Order: 0502051
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502051-01A	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502051-01B	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502051-01C	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502051-01D	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502051-01E	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502051-01F	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502051-01G	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502051-01H	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502051-01I	GPT-6-12	2/8/2005 3:05:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502051-02A	Trip Blank	2/8/2005	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502051-03A	EW-19-020805	2/8/2005 11:30:00 AM	Oil	SW3550B	Soil Prep Sonication: BNA	2/15/2005 8:50:01 AM	18334
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	TX1005	TX1005 Soil Prep	2/15/2005 10:01:23 A	18340
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	SW5030B	Purge and Trap Soils GC/MS	2/16/2005 10:35:24 A	18348
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	SW5030B	Purge and Trap Soils GC/MS	2/16/2005 10:35:24 A	18348
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	SW5030B	Purge and Trap Soils GC/MS	2/16/2005 10:35:24 A	18348
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	TX1006	TPH Fractionation Soil Prep	2/23/2005 11:32:00 A	18366
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	TX1006	TPH Fractionation Soil Prep	2/23/2005 11:32:00 A	18366
	EW-19-020805	2/8/2005 11:30:00 AM	Oil	M2710F	Density of a Liquid	2/16/2005	R21040
0502051-03B	EW-19-020805	2/8/2005 11:30:00 AM	Oil	ASTM D445	Viscosity of a Liquid	2/10/2005	R20986
0502051-04A	EW-12-020805	2/8/2005 12:00:00 PM	Oil	SW5030B	Purge and Trap Soils GC/MS	2/16/2005 10:35:24 A	18348
	EW-12-020805	2/8/2005 12:00:00 PM	Oil	SW5030B	Purge and Trap Soils GC/MS	2/16/2005 10:35:24 A	18348

Lab Order: 0502051
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502051-04A	EW-12-020805	2/8/2005 12:00:00 PM	Oil	SW5030B	Purge and Trap Soils GC/MS	2/16/2005 10:35:24 A	18348
0502051-04B	EW-12-020805	2/8/2005 12:00:00 PM	Oil	SW3550B	Soil Prep Sonication: BNA	2/15/2005 8:50:01 AM	18334
	EW-12-020805	2/8/2005 12:00:00 PM	Oil	TX1005	TX1005 Soil Prep	2/15/2005 10:01:23 A	18340
	EW-12-020805	2/8/2005 12:00:00 PM	Oil	TX1006	TPH Fractionation Soil Prep	2/23/2005 11:32:00 A	18366
	EW-12-020805	2/8/2005 12:00:00 PM	Oil	TX1006	TPH Fractionation Soil Prep	2/23/2005 11:32:00 A	18366
	EW-12-020805	2/8/2005 12:00:00 PM	Oil	M2710F	Density of a Liquid	2/16/2005	R21040
0502051-04C	EW-12-020805	2/8/2005 12:00:00 PM	Oil	ASTM D445	Viscosity of a Liquid	2/10/2005	R20986

Lab Order: 0502051
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502051-01A	GPT-6-12	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 2:31:00 AM	GCMS5_050214B
0502051-01B	GPT-6-12	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 12:22:29 PM	GC4_050216A
0502051-01C	GPT-6-12	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-12	Aqueous	M3500-FE	Ferrous Iron	18336	10	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502051-01D	GPT-6-12	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502051-01E	GPT-6-12	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 3:26:00 PM	ICP-MS_050214A
0502051-01F	GPT-6-12	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 12:02:00 PM	UV/VIS_2_050211B
0502051-01G	GPT-6-12	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-12	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 11:15:13 AM	IC_050210A
0502051-01H	GPT-6-12	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 6:29:00 PM	GCMS3_050215A
0502051-01I	GPT-6-12	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/14/2005 4:15:31 PM	GC15_050214A
0502051-02A	Trip Blank	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 12:36:00 AM	GCMS5_050214B
0502051-03A	EW-19-020805	Oil	SW8270C	Semivolatiles by GC/MS - Soil	18334	1000	2/16/2005 6:58:00 AM	GCMS3_050215C
	EW-19-020805	Oil	TX1005	Tx1005 TPH Soil	18340	100	2/15/2005 4:12:38 PM	GC12_050215A
	EW-19-020805	Oil	SW8260B	8260 Soil Volatiles by GC/MS	18348	500	2/16/2005 2:31:00 PM	GCMS2_050216A
	EW-19-020805	Oil	SW8260B	8260 Soil Volatiles by GC/MS	18348	100	2/16/2005 3:36:00 PM	GCMS2_050216A
	EW-19-020805	Oil	SW8260B	8260 Soil Volatiles by GC/MS	18348	10000	2/16/2005 1:26:00 PM	GCMS2_050216A
	EW-19-020805	Oil	TX1006	TPH Fractionation Soil/Solid	18366	1	2/25/2005 2:17:19 PM	GC12_050225B
	EW-19-020805	Oil	TX1006	TPH Fractionation Soil/Solid	18366	1	2/25/2005 4:00:30 PM	GC12_050225B
	EW-19-020805	Oil	M2710F	Density of a Liquid	R21040	1	2/16/2005 4:20:00 PM	WC_050216B
0502051-03B	EW-19-020805	Oil	ASTM D445	Viscosity of a Liquid	R20986	1	2/10/2005	SUB_050210A
0502051-04A	EW-12-020805	Oil	SW8260B	8260 Soil Volatiles by GC/MS	18348	500	2/16/2005 3:04:00 PM	GCMS2_050216A
	EW-12-020805	Oil	SW8260B	8260 Soil Volatiles by GC/MS	18348	10000	2/16/2005 1:59:00 PM	GCMS2_050216A

Lab Order: 0502051
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502051-04A	EW-12-020805	Oil	SW8260B	8260 Soil Volatiles by GC/MS	18348	100	2/16/2005 4:10:00 PM	GCMS2_050216A
0502051-04B	EW-12-020805	Oil	SW8270C	Semivolatiles by GC/MS - Soil	18334	1000	2/16/2005 7:35:00 AM	GCMS3_050215C
	EW-12-020805	Oil	TX1005	Tx1005 TPH Soil	18340	100	2/15/2005 4:18:10 PM	GC12_050215A
	EW-12-020805	Oil	TX1006	TPH Fractionation Soil/Solid	18366	1	2/25/2005 4:07:13 PM	GC12_050225B
	EW-12-020805	Oil	TX1006	TPH Fractionation Soil/Solid	18366	1	2/25/2005 2:32:02 PM	GC12_050225B
	EW-12-020805	Oil	M2710F	Density of a Liquid	R21040	1	2/16/2005 4:20:00 PM	WC_050216B
0502051-04C	EW-12-020805	Oil	ASTM D445	Viscosity of a Liquid	R20986	1	2/10/2005	SUB_050210A

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0502051-01
Project No:	G486003	**Collection Date:**	2/8/2005 3:05:00 PM
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/10/2005 11:15:13 AM
Sulfate	17.5	1.0	3.00		mg/L	1	2/10/2005 11:15:13 AM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:31:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:31:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:31:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 2:31:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:31:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0502051-01
Project No:	G486003	**Collection Date:**	2/8/2005 3:05:00 PM
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 2:31:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 2:31:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 2:31:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 2:31:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:31:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 2:31:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 2:31:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 2:31:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:31:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 2:31:00 AM
Surr: 1,2-Dichloroethane-d4	99.7	0	72-119		%REC	1	2/15/2005 2:31:00 AM
Surr: 4-Bromofluorobenzene	97.2	0	76-119		%REC	1	2/15/2005 2:31:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0502051-01
Project No:	G486003	**Collection Date:**	2/8/2005 3:05:00 PM
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 2:31:00 AM
Surr: Toluene-d8	99.6	0	81-120		%REC	1	2/15/2005 2:31:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 6:29:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 6:29:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM

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DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0502051-01
Project No:	G486003	**Collection Date:**	2/8/2005 3:05:00 PM
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 6:29:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 6:29:00 PM
Surr: 2,4,6-Tribromophenol	103	0	42-124		%REC	1	2/15/2005 6:29:00 PM
Surr: 2-Fluorobiphenyl	98.2	0	48-120		%REC	1	2/15/2005 6:29:00 PM
Surr: 2-Fluorophenol	46.5	0	20-120		%REC	1	2/15/2005 6:29:00 PM
Surr: 4-Terphenyl-d14	95.0	0	51-135		%REC	1	2/15/2005 6:29:00 PM
Surr: Nitrobenzene-d5	90.8	0	41-120		%REC	1	2/15/2005 6:29:00 PM
Surr: Phenol-d6	29.0	0	20-120		%REC	1	2/15/2005 6:29:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0502051-01
Project No:	G486003	**Collection Date:**	2/8/2005 3:05:00 PM
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0555	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/14/2005 4:15:31 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/14/2005 4:15:31 PM
Surr: o-Terphenyl	201	0	64-132	S	%REC	1	2/14/2005 4:15:31 PM
Surr: Octacosane	60.0	0	26-152		%REC	1	2/14/2005 4:15:31 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	0.85	0.50	1.00	J	mg/L	10	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	1020	50	100		µg/L	1	2/14/2005 3:26:00 PM
Manganese	27.8	3.0	10.0		µg/L	1	2/14/2005 3:26:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 12:22:29 PM
Surr: Chlorobenzene	118	0	74-138		%REC	1	2/16/2005 12:22:29 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0221	0.0050	0.00500		mg/L	1	2/11/2005 12:02:00 PM

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DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0502051-02
Project No:	G486003	**Collection Date:**	2/8/2005
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 12:36:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 12:36:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 12:36:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 12:36:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 12:36:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM

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DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0502051-02
Project No:	G486003	**Collection Date:**	2/8/2005
Lab Order:	0502051	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 12:36:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 12:36:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 12:36:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 12:36:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 12:36:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 12:36:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 12:36:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 12:36:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 12:36:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 12:36:00 AM
Surr: 1,2-Dichloroethane-d4	102	0	72-119		%REC	1	2/15/2005 12:36:00 AM
Surr: 4-Bromofluorobenzene	101	0	76-119		%REC	1	2/15/2005 12:36:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 12:36:00 AM
Surr: Toluene-d8	98.3	0	81-120		%REC	1	2/15/2005 12:36:00 AM

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SQL - Sample Quantitation Limit
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DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-19-020805
Project Name:	Gulfport	**Lab ID:**	0502051-03
Project No:	G486003	**Collection Date:**	2/8/2005 11:30:00 AM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
TOTAL PETROLEUM HYDROCARBONS (TPH)		**TX1005**				Analyst: **LY**	
T/R Hydrocarbons: C6-C12	39300	7000	20000		mg/Kg	100	2/15/2005 4:12:38 PM
T/R Hydrocarbons: >C12-C28	543000	7000	20000		mg/Kg	100	2/15/2005 4:12:38 PM
T/R Hydrocarbons: >C28-C35	86700	7000	20000		mg/Kg	100	2/15/2005 4:12:38 PM
T/R Hydrocarbons: C6-C35	669000	7000	20000		mg/Kg	100	2/15/2005 4:12:38 PM
Surr: 1-Chlorooctane	1180	0	87-147	S	%REC	100	2/15/2005 4:12:38 PM
Surr: Octacosane	2690	0	80-140	S	%REC	100	2/15/2005 4:12:38 PM
TPH FRACTIONATION SOIL/SOLID		**TX1006**				Analyst: **LY**	
C6-C8 Aliphatics	ND	500	1000		mg/Kg	1	2/25/2005 2:17:19 PM
>C8-C10 Aliphatics	1730	500	1000		mg/Kg	1	2/25/2005 2:17:19 PM
>C10-C12 Aliphatics	14700	500	1000		mg/Kg	1	2/25/2005 2:17:19 PM
>C12-C16 Aliphatics	77700	500	1000		mg/Kg	1	2/25/2005 2:17:19 PM
>C16-C21 Aliphatics	122000	500	1000		mg/Kg	1	2/25/2005 2:17:19 PM
>C21-C35 Aliphatics	192000	500	1000		mg/Kg	1	2/25/2005 2:17:19 PM
C6-C35 Aliphatics	408000	1000	2000		mg/Kg	1	2/25/2005 2:17:19 PM
>C8-C10 Aromatics	ND	500	1000		mg/Kg	1	2/25/2005 4:00:30 PM
>C10-C12 Aromatics	ND	500	1000		mg/Kg	1	2/25/2005 4:00:30 PM
>C12-C16 Aromatics	16300	500	1000		mg/Kg	1	2/25/2005 4:00:30 PM
>C16-C21 Aromatics	53000	500	1000		mg/Kg	1	2/25/2005 4:00:30 PM
>C21-C35 Aromatics	21700	500	1000		mg/Kg	1	2/25/2005 4:00:30 PM
>C8-C35 Aromatics	91000	1000	2000		mg/Kg	1	2/25/2005 4:00:30 PM
Surr: 1-Chlorooctane	105	0	60-140		%REC	1	2/25/2005 4:00:30 PM
Surr: Octacosane	1250	0	65-145	S	%REC	1	2/25/2005 2:17:19 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,1,1-Trichloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,1,2,2-Tetrachloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,1,2-Trichloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,1-Dichloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,1-Dichloroethene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,1-Dichloropropene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2,3-Trichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2,3-Trichloropropane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2,4-Trichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2,4-Trimethylbenzene	32200	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2-Dibromo-3-chloropropane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2-Dibromoethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2-Dichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,2-Dichloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-19-020805
Project Name:	Gulfport	**Lab ID:**	0502051-03
Project No:	G486003	**Collection Date:**	2/8/2005 11:30:00 AM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,2-Dichloropropane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,3,5-Trimethylbenzene	15900	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,3-Dichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,3-Dichloropropane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
1,4-Dichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
2,2-Dichloropropane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
2-Butanone	ND	500	1500		µg/Kg	100	2/16/2005 3:36:00 PM
2-Chloroethylvinylether	ND	500	1500		µg/Kg	100	2/16/2005 3:36:00 PM
2-Chlorotoluene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
2-Hexanone	ND	500	1500		µg/Kg	100	2/16/2005 3:36:00 PM
4-Chlorotoluene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
4-Methyl-2-pentanone	ND	500	1500		µg/Kg	100	2/16/2005 3:36:00 PM
Acetone	ND	2000	5000		µg/Kg	100	2/16/2005 3:36:00 PM
Benzene	774	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Bromobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Bromochloromethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Bromodichloromethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Bromoform	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Bromomethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Carbon disulfide	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Carbon tetrachloride	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Chlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Chloroethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Chloroform	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Chloromethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
cis-1,2-Dichloroethene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
cis-1,3-Dichloropropene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Dibromochloromethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Dibromomethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Dichlorodifluoromethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Ethylbenzene	5430	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Hexachlorobutadiene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Iodomethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Isopropylbenzene	1690	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
m,p-Xylene	17800	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Methyl tert-butyl ether	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Methylene chloride	ND	500	500		µg/Kg	100	2/16/2005 3:36:00 PM
n-Butylbenzene	4370	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
n-Propylbenzene	5330	100	500		µg/Kg	100	2/16/2005 3:36:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-19-020805
Project Name:	Gulfport	**Lab ID:**	0502051-03
Project No:	G486003	**Collection Date:**	2/8/2005 11:30:00 AM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Naphthalene	16400	500	500		µg/Kg	100	2/16/2005 3:36:00 PM
o-Xylene	9550	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
p-Isopropyltoluene	3340	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
sec-Butylbenzene	2440	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Styrene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
tert-Butylbenzene	1250	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Tetrachloroethene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Toluene	8490	200	500		µg/Kg	100	2/16/2005 3:36:00 PM
trans-1,2-Dichloroethene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
trans-1,3-Dichloropropene	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Trichloroethene	1240	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Trichlorofluoromethane	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Vinyl chloride	ND	100	500		µg/Kg	100	2/16/2005 3:36:00 PM
Surr: 1,2-Dichloroethane-d4	98.2	0	78-118		%REC	100	2/16/2005 3:36:00 PM
Surr: 4-Bromofluorobenzene	114	0	80-115		%REC	100	2/16/2005 3:36:00 PM
Surr: Dibromofluoromethane	95.3	0	80-115		%REC	100	2/16/2005 3:36:00 PM
Surr: Toluene-d8	95.9	0	80-115		%REC	100	2/16/2005 3:36:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	20	133		mg/Kg	1000	2/16/2005 6:58:00 AM
1,2-Dichlorobenzene	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
1,3-Dichlorobenzene	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
1,4-Dichlorobenzene	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2,4,5-Trichlorophenol	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2,4,6-Trichlorophenol	ND	60	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2,4-Dichlorophenol	ND	80	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2,4-Dimethylphenol	ND	60	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2,4-Dinitrophenol	ND	50	660		mg/Kg	1000	2/16/2005 6:58:00 AM
2,4-Dinitrotoluene	ND	60	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2,6-Dinitrotoluene	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2-Chloronaphthalene	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2-Chlorophenol	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2-Methylnaphthalene	220	20	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2-Methylphenol	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2-Nitroaniline	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
2-Nitrophenol	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
3,3´-Dichlorobenzidine	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
3-Nitroaniline	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
4,6-Dinitro-2-methylphenol	ND	80	330		mg/Kg	1000	2/16/2005 6:58:00 AM
4-Bromophenyl phenyl ether	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM

Qualifiers:

ND - Not Detected at the SQL
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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-19-020805
Project Name:	Gulfport	**Lab ID:**	0502051-03
Project No:	G486003	**Collection Date:**	2/8/2005 11:30:00 AM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
4-Chloro-3-methylphenol	ND	60	133		mg/Kg	1000	2/16/2005 6:58:00 AM
4-Chloroaniline	ND	50	330		mg/Kg	1000	2/16/2005 6:58:00 AM
4-Chlorophenyl phenyl ether	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
4-Methylphenol	ND	100	133		mg/Kg	1000	2/16/2005 6:58:00 AM
4-Nitroaniline	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
4-Nitrophenol	ND	140	660		mg/Kg	1000	2/16/2005 6:58:00 AM
Acenaphthene	47	40	133	J	mg/Kg	1000	2/16/2005 6:58:00 AM
Acenaphthylene	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Aniline	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Anthracene	ND	20	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzo[a]anthracene	ND	20	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzo[a]pyrene	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzo[b]fluoranthene	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzo[g,h,i]perylene	ND	60	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzo[k]fluoranthene	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzoic acid	ND	130	660		mg/Kg	1000	2/16/2005 6:58:00 AM
Benzyl alcohol	ND	40	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Bis(2-chloroethoxy)methane	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Bis(2-chloroethyl)ether	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Bis(2-chloroisopropyl)ether	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Bis(2-ethylhexyl)phthalate	53	50	133	J	mg/Kg	1000	2/16/2005 6:58:00 AM
Butyl benzyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Carbazole	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Chrysene	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Di-n-butyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Di-n-octyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Dibenz[a,h]anthracene	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Dibenzofuran	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Diethyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Dimethyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Fluoranthene	ND	20	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Fluorene	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Hexachlorobenzene	ND	10	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Hexachlorobutadiene	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Hexachlorocyclopentadiene	ND	60	330		mg/Kg	1000	2/16/2005 6:58:00 AM
Hexachloroethane	ND	50	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Indeno[1,2,3-cd]pyrene	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Isophorone	ND	40	133		mg/Kg	1000	2/16/2005 6:58:00 AM
N-Nitrosodi-n-propylamine	ND	30	133		mg/Kg	1000	2/16/2005 6:58:00 AM

Qualifiers:

ND - Not Detected at the SQL
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DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-19-020805
Project Name:	Gulfport	**Lab ID:**	0502051-03
Project No:	G486003	**Collection Date:**	2/8/2005 11:30:00 AM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
N-Nitrosodiphenylamine	80	50	133	J	mg/Kg	1000	2/16/2005 6:58:00 AM
Naphthalene	40	40	133	J	mg/Kg	1000	2/16/2005 6:58:00 AM
Nitrobenzene	ND	70	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Pentachlorophenol	ND	90	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Phenanthrene	110	30	133	J	mg/Kg	1000	2/16/2005 6:58:00 AM
Phenol	ND	60	133		mg/Kg	1000	2/16/2005 6:58:00 AM
Pyrene	20	20	133	J	mg/Kg	1000	2/16/2005 6:58:00 AM
Pyridine	ND	130	660		mg/Kg	1000	2/16/2005 6:58:00 AM
Surr: 2,4,6-Tribromophenol	0	0	36-126	S	%REC	1000	2/16/2005 6:58:00 AM
Surr: 2-Fluorobiphenyl	249	0	45-125	S	%REC	1000	2/16/2005 6:58:00 AM
Surr: 2-Fluorophenol	0	0	37-125	S	%REC	1000	2/16/2005 6:58:00 AM
Surr: 4-Terphenyl-d14	249	0	45-125	S	%REC	1000	2/16/2005 6:58:00 AM
Surr: Nitrobenzene-d5	249	0	45-125	S	%REC	1000	2/16/2005 6:58:00 AM
Surr: Phenol-d6	249	0	40-125	S	%REC	1000	2/16/2005 6:58:00 AM
DENSITY OF A LIQUID		**M2710F**				Analyst: **JBC**	
Density	0.701	0			SI	1	2/16/2005 4:20:00 PM
VISCOSITY OF A LIQUID		**ASTM D445**				Analyst: **SUB**	
Kinematic Viscosity at 40°C	27.5	0.10	0.100		cSt	1	2/10/2005

Qualifiers:

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DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-12-020805
Project Name:	Gulfport	**Lab ID:**	0502051-04
Project No:	G486003	**Collection Date:**	2/8/2005 12:00:00 PM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
TOTAL PETROLEUM HYDROCARBONS (TPH)		**TX1005**				Analyst: **LY**	
T/R Hydrocarbons: C6-C12	45700	6400	18200		mg/Kg	100	2/15/2005 4:18:10 PM
T/R Hydrocarbons: >C12-C28	675000	6400	18200		mg/Kg	100	2/15/2005 4:18:10 PM
T/R Hydrocarbons: >C28-C35	72400	6400	18200		mg/Kg	100	2/15/2005 4:18:10 PM
T/R Hydrocarbons: C6-C35	793000	6400	18200		mg/Kg	100	2/15/2005 4:18:10 PM
Surr: 1-Chlorooctane	644	0	87-147	S	%REC	100	2/15/2005 4:18:10 PM
Surr: Octacosane	2410	0	80-140	S	%REC	100	2/15/2005 4:18:10 PM
TPH FRACTIONATION SOIL/SOLID		**TX1006**				Analyst: **LY**	
C6-C8 Aliphatics	ND	450	909		mg/Kg	1	2/25/2005 2:32:02 PM
>C8-C10 Aliphatics	ND	450	909		mg/Kg	1	2/25/2005 2:32:02 PM
>C10-C12 Aliphatics	11700	450	909		mg/Kg	1	2/25/2005 2:32:02 PM
>C12-C16 Aliphatics	124000	450	909		mg/Kg	1	2/25/2005 2:32:02 PM
>C16-C21 Aliphatics	154000	450	909		mg/Kg	1	2/25/2005 2:32:02 PM
>C21-C35 Aliphatics	167000	450	909		mg/Kg	1	2/25/2005 2:32:02 PM
C6-C35 Aliphatics	457000	910	1820		mg/Kg	1	2/25/2005 2:32:02 PM
>C8-C10 Aromatics	ND	450	909		mg/Kg	1	2/25/2005 4:07:13 PM
>C10-C12 Aromatics	ND	450	909		mg/Kg	1	2/25/2005 4:07:13 PM
>C12-C16 Aromatics	21800	450	909		mg/Kg	1	2/25/2005 4:07:13 PM
>C16-C21 Aromatics	43800	450	909		mg/Kg	1	2/25/2005 4:07:13 PM
>C21-C35 Aromatics	21600	450	909		mg/Kg	1	2/25/2005 4:07:13 PM
>C8-C35 Aromatics	87200	910	1820		mg/Kg	1	2/25/2005 4:07:13 PM
Surr: 1-Chlorooctane	61.6	0	60-140		%REC	1	2/25/2005 4:07:13 PM
Surr: Octacosane	1130	0	65-145	S	%REC	1	2/25/2005 2:32:02 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,1,1-Trichloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,1,2,2-Tetrachloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,1,2-Trichloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,1-Dichloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,1-Dichloroethene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,1-Dichloropropene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2,3-Trichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2,3-Trichloropropane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2,4-Trichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2,4-Trimethylbenzene	1540	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2-Dibromo-3-chloropropane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2-Dibromoethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2-Dichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,2-Dichloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-12-020805
Project Name:	Gulfport	**Lab ID:**	0502051-04
Project No:	G486003	**Collection Date:**	2/8/2005 12:00:00 PM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,2-Dichloropropane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,3,5-Trimethylbenzene	5100	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,3-Dichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,3-Dichloropropane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
1,4-Dichlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
2,2-Dichloropropane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
2-Butanone	ND	500	1500		µg/Kg	100	2/16/2005 4:10:00 PM
2-Chloroethylvinylether	ND	500	1500		µg/Kg	100	2/16/2005 4:10:00 PM
2-Chlorotoluene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
2-Hexanone	ND	500	1500		µg/Kg	100	2/16/2005 4:10:00 PM
4-Chlorotoluene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
4-Methyl-2-pentanone	ND	500	1500		µg/Kg	100	2/16/2005 4:10:00 PM
Acetone	ND	2000	5000		µg/Kg	100	2/16/2005 4:10:00 PM
Benzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Bromobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Bromochloromethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Bromodichloromethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Bromoform	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Bromomethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Carbon disulfide	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Carbon tetrachloride	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Chlorobenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Chloroethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Chloroform	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Chloromethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
cis-1,2-Dichloroethene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
cis-1,3-Dichloropropene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Dibromochloromethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Dibromomethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Dichlorodifluoromethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Ethylbenzene	340	100	500	J	µg/Kg	100	2/16/2005 4:10:00 PM
Hexachlorobutadiene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Iodomethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Isopropylbenzene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
m,p-Xylene	1120	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Methyl tert-butyl ether	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Methylene chloride	ND	500	500		µg/Kg	100	2/16/2005 4:10:00 PM
n-Butylbenzene	3120	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
n-Propylbenzene	220	100	500	J	µg/Kg	100	2/16/2005 4:10:00 PM

Qualifiers:

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-12-020805
Project Name:	Gulfport	**Lab ID:**	0502051-04
Project No:	G486003	**Collection Date:**	2/8/2005 12:00:00 PM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Naphthalene	2300	500	500		µg/Kg	100	2/16/2005 4:10:00 PM
o-Xylene	1540	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
p-Isopropyltoluene	2270	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
sec-Butylbenzene	220	100	500	J	µg/Kg	100	2/16/2005 4:10:00 PM
Styrene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
tert-Butylbenzene	1020	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Tetrachloroethene	740	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Toluene	574	200	500		µg/Kg	100	2/16/2005 4:10:00 PM
trans-1,2-Dichloroethene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
trans-1,3-Dichloropropene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Trichloroethene	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Trichlorofluoromethane	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Vinyl chloride	ND	100	500		µg/Kg	100	2/16/2005 4:10:00 PM
Surr: 1,2-Dichloroethane-d4	99.2	0	78-118		%REC	100	2/16/2005 4:10:00 PM
Surr: 4-Bromofluorobenzene	118	0	80-115	S	%REC	100	2/16/2005 4:10:00 PM
Surr: Dibromofluoromethane	96.3	0	80-115		%REC	100	2/16/2005 4:10:00 PM
Surr: Toluene-d8	95.4	0	80-115		%REC	100	2/16/2005 4:10:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	20	133		mg/Kg	1000	2/16/2005 7:35:00 AM
1,2-Dichlorobenzene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
1,3-Dichlorobenzene	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
1,4-Dichlorobenzene	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2,4,5-Trichlorophenol	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2,4,6-Trichlorophenol	ND	60	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2,4-Dichlorophenol	ND	80	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2,4-Dimethylphenol	ND	60	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2,4-Dinitrophenol	ND	50	660		mg/Kg	1000	2/16/2005 7:35:00 AM
2,4-Dinitrotoluene	ND	60	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2,6-Dinitrotoluene	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2-Chloronaphthalene	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2-Chlorophenol	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2-Methylnaphthalene	ND	20	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2-Methylphenol	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2-Nitroaniline	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
2-Nitrophenol	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
3,3´-Dichlorobenzidine	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
3-Nitroaniline	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
4,6-Dinitro-2-methylphenol	ND	80	330		mg/Kg	1000	2/16/2005 7:35:00 AM
4-Bromophenyl phenyl ether	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-12-020805
Project Name:	Gulfport	**Lab ID:**	0502051-04
Project No:	G486003	**Collection Date:**	2/8/2005 12:00:00 PM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
4-Chloro-3-methylphenol	ND	60	133		mg/Kg	1000	2/16/2005 7:35:00 AM
4-Chloroaniline	ND	50	330		mg/Kg	1000	2/16/2005 7:35:00 AM
4-Chlorophenyl phenyl ether	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
4-Methylphenol	ND	100	133		mg/Kg	1000	2/16/2005 7:35:00 AM
4-Nitroaniline	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
4-Nitrophenol	ND	140	660		mg/Kg	1000	2/16/2005 7:35:00 AM
Acenaphthene	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Acenaphthylene	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Aniline	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Anthracene	ND	20	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzo[a]anthracene	ND	20	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzo[a]pyrene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzo[b]fluoranthene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzo[g,h,i]perylene	ND	60	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzo[k]fluoranthene	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzoic acid	ND	130	660		mg/Kg	1000	2/16/2005 7:35:00 AM
Benzyl alcohol	ND	40	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Bis(2-chloroethoxy)methane	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Bis(2-chloroethyl)ether	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Bis(2-chloroisopropyl)ether	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Bis(2-ethylhexyl)phthalate	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Butyl benzyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Carbazole	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Chrysene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Di-n-butyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Di-n-octyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Dibenz[a,h]anthracene	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Dibenzofuran	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Diethyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Dimethyl phthalate	ND	100	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Fluoranthene	ND	20	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Fluorene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Hexachlorobenzene	ND	10	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Hexachlorobutadiene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Hexachlorocyclopentadiene	ND	60	330		mg/Kg	1000	2/16/2005 7:35:00 AM
Hexachloroethane	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Indeno[1,2,3-cd]pyrene	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Isophorone	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
N-Nitrosodi-n-propylamine	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM

Qualifiers:

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *01-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	EW-12-020805
Project Name:	Gulfport	**Lab ID:**	0502051-04
Project No:	G486003	**Collection Date:**	2/8/2005 12:00:00 PM
Lab Order:	0502051	**Matrix:**	OIL

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
N-Nitrosodiphenylamine	ND	50	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Naphthalene	ND	40	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Nitrobenzene	ND	70	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Pentachlorophenol	ND	90	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Phenanthrene	ND	30	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Phenol	ND	60	133		mg/Kg	1000	2/16/2005 7:35:00 AM
Pyrene	27	20	133	J	mg/Kg	1000	2/16/2005 7:35:00 AM
Pyridine	ND	130	660		mg/Kg	1000	2/16/2005 7:35:00 AM
Surr: 2,4,6-Tribromophenol	0	0	36-126	S	%REC	1000	2/16/2005 7:35:00 AM
Surr: 2-Fluorobiphenyl	249	0	45-125	S	%REC	1000	2/16/2005 7:35:00 AM
Surr: 2-Fluorophenol	0	0	37-125	S	%REC	1000	2/16/2005 7:35:00 AM
Surr: 4-Terphenyl-d14	0	0	45-125	S	%REC	1000	2/16/2005 7:35:00 AM
Surr: Nitrobenzene-d5	249	0	45-125	S	%REC	1000	2/16/2005 7:35:00 AM
Surr: Phenol-d6	0	0	40-125	S	%REC	1000	2/16/2005 7:35:00 AM
DENSITY OF A LIQUID		**M2710F**				Analyst: **JBC**	
Density	0.756	0			SI	1	2/16/2005 4:20:00 PM
VISCOSITY OF A LIQUID		**ASTM D445**				Analyst: **SUB**	
Kinematic Viscosity at 40°C	19.6	0.10	0.100		cSt	1	2/10/2005

Qualifiers:

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J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050215A

Sample ID **MB-18340**	Batch ID: **18340**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **MBLK**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 2:40:47 PM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	ND	20								
T/R Hydrocarbons: >C12-C28	ND	20								
T/R Hydrocarbons: >C28-C35	ND	20								
T/R Hydrocarbons: C6-C35	ND	20								
Surr: 1-Chlorooctane	22.97	0	25	0	91.9	87	147	0		
Surr: Octacosane	23.09	0	25	0	92.3	80	140	0		

Sample ID **LCS-18340**	Batch ID: **18340**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **LCS**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 2:46:20 PM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	217.2	20	250	0	86.9	70	119	0		
Surr: 1-Chlorooctane	31.15	0	25	0	125	104	164	0		
Surr: Octacosane	22.73	0	25	0	90.9	80	140	0		

Sample ID **0502074-02A MS**	Batch ID: **18340**	TestNo: **TX1005**	Units: **mg/Kg-dry**
SampType **MS**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 2:57:35 PM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	289.1	23.2	290.7	34.93	84.9	70	119	0		
Surr: 1-Chlorooctane	41.8	0	29.07	0	144	104	164	0		
Surr: Octacosane	26.52	0	29.07	0	91.2	80	140	0		

Sample ID **0502074-02A MSD**	Batch ID: **18340**	TestNo: **TX1005**	Units: **mg/Kg-dry**
SampType **MSD**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 3:03:05 PM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	288.5	23.9	299.3	34.93	82.3	70	119	0.202	30	
Surr: 1-Chlorooctane	40.64	0	29.93	0	136	104	164	0	0	
Surr: Octacosane	26.56	0	29.93	0	88.7	80	140	0	0	

Sample ID **CCV1-050215**	Batch ID: **R21009**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **CCV**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 4:04:12 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	212.9	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	191.8	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.2529	20	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	404.9	20	500	0	81	75	125	0		
Surr: 1-Chlorooctane	35.93	0	25	0	144	140	195	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050215A

Sample ID **CCV1-050215**	Batch ID: **R21009**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **CCV**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 4:04:12 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Surr: Octacosane	22.11	0	25	0	88.4	85	133	0		

Sample ID **CCV2-050215**	Batch ID: **R21009**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **CCV**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 6:42:54 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	214.1	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	189.9	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.1077	20	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	404	20	500	0	80.8	75	125	0		
Surr: 1-Chlorooctane	35.27	0	25	0	141	140	195	0		
Surr: Octacosane	21.95	0	25	0	87.8	85	133	0		

Sample ID **ICV-050215**	Batch ID: **R21009**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **ICV**	Run ID: **GC12_050215A**	Analysis Date: **2/15/2005 2:24:37 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	396.9	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	460.9	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.4629	20	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	858.3	20	1000	0	85.8	75	125	0		
Surr: 1-Chlorooctane	74.16	0	50	0	148	140	195	0		
Surr: Octacosane	46.78	0	50	0	93.6	85	133	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050224D

Sample ID	**CCV1-050224**	Batch ID:	**R21151**	TestNo:	**TX1005**	Units:	**mg/Kg**
SampType	**CCV**	Run ID:	**GC12_050224D**	Analysis Date:	**2/24/2005 3:39:53 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	226.2	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	234.4	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	20	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	460.6	20	500	0	92.1	75	125	0		
Surr: 1-Chlorooctane	38.55	0	25	0	154	140	195	0		
Surr: Octacosane	23.76	0	25	0	95	85	133	0		

Sample ID	**CCV2-050224**	Batch ID:	**R21151**	TestNo:	**TX1005**	Units:	**mg/Kg**
SampType	**CCV**	Run ID:	**GC12_050224D**	Analysis Date:	**2/24/2005 6:20:25 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	236.4	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	302	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.1816	20	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	538.6	20	500	0	108	75	125	0		
Surr: 1-Chlorooctane	43.63	0	25	0	175	140	195	0		
Surr: Octacosane	24.39	0	25	0	97.6	85	133	0		

Sample ID	**ICV-050224**	Batch ID:	**R21151**	TestNo:	**TX1005**	Units:	**mg/Kg**
SampType	**ICV**	Run ID:	**GC12_050224D**	Analysis Date:	**2/24/2005 12:28:27 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	492.7	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	628.5	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.3379	20	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	1122	20	1000	0	112	75	125	0		
Surr: 1-Chlorooctane	90.35	0	50	0	181	140	195	0		
Surr: Octacosane	50.55	0	50	0	101	85	133	0		

Sample ID	**MB-18366**	Batch ID:	**18366**	TestNo:	**TX1006**	Units:	**mg/Kg**
SampType	**MBLK**	Run ID:	**GC12_050224D**	Analysis Date:	**2/24/2005 2:34:03 PM**	Prep Date:	**2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
C6-C8 Aliphatics	ND	20	0	0	0	0	0	0		
>C8-C10 Aliphatics	ND	20	0	0	0	0	0	0		
>C10-C12 Aliphatics	ND	20	0	0	0	0	0	0		
>C12-C16 Aliphatics	ND	20	0	0	0	0	0	0		
>C16-C21 Aliphatics	ND	20	0	0	0	0	0	0		
>C21-C35 Aliphatics	ND	20	0	0	0	0	0	0		
C6-C35 Aliphatics	ND	20	0	0	0	0	0	0		
Surr: Octacosane	22.94	0	25	0	91.8	65	145	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050224D

Sample ID **MB-18366**	Batch ID: **18366**	TestNo: **TX1006**	Units: **mg/Kg**
SampType **MBLK**	Run ID: **GC12_050224D**	Analysis Date: **2/24/2005 3:32:38 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
>C8-C10 Aromatics	ND	20								
>C10-C12 Aromatics	ND	20								
>C12-C16 Aromatics	ND	20								
>C16-C21 Aromatics	ND	20								
>C21-C35 Aromatics	ND	20								
>C8-C35 Aromatics	ND	20								
Surr: 1-Chlorooctane	19.51	0	25	0	78	50	130	0		

Sample ID **LCS-18366**	Batch ID: **18366**	TestNo: **TX1006**	Units: **mg/Kg**
SampType **LCS**	Run ID: **GC12_050224D**	Analysis Date: **2/24/2005 2:39:23 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
C6-C35 Aliphatics	113.9	20	250	0	45.6	25	70	0		
Surr: Octacosane	21.64	0	25	0	86.5	65	145	0		

Sample ID **LCS-18366**	Batch ID: **18366**	TestNo: **TX1006**	Units: **mg/Kg**
SampType **LCS**	Run ID: **GC12_050224D**	Analysis Date: **2/24/2005 3:52:45 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
>C8-C35 Aromatics	72	20	250	0	28.8	15	55	0		
Surr: 1-Chlorooctane	22.61	0	25	0	90.5	60	140	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050225B

Sample ID **CCV1-050225**	Batch ID: **R21153**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **CCV**	Run ID: **GC12_050225B**	Analysis Date: **2/25/2005 1:52:26 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	252.1	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	285.7	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	20	0	0	0	0	0	0		
Surr: 1-Chlorooctane	44.59	0	25	0	178	140	195	0		
Surr: Octacosane	25.42	0	25	0	102	85	133	0		

Sample ID **CCV2-050225**	Batch ID: **R21153**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **CCV**	Run ID: **GC12_050225B**	Analysis Date: **2/25/2005 5:08:06 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	247.3	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	291.5	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	20	0	0	0	0	0	0		
Surr: 1-Chlorooctane	43.88	0	25	0	176	140	195	0		
Surr: Octacosane	25.64	0	25	0	103	85	133	0		

Sample ID **ICV-050225**	Batch ID: **R21153**	TestNo: **TX1005**	Units: **mg/Kg**
SampType **ICV**	Run ID: **GC12_050225B**	Analysis Date: **2/25/2005 9:55:19 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	506.1	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	587.6	20	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.226	20	0	0	0	0	0	0		
Surr: 1-Chlorooctane	87.69	0	50	0	175	140	195	0		
Surr: Octacosane	49.73	0	50	0	99.5	85	133	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050214A

Sample ID **MB-18326**	Batch ID: **18326**	TestNo: **M8015D**	Units: **mg/L**
SampType **MBLK**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 3:50:16 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	1								
TPH-ORO >C28-C35	ND	1								
Surr: o-Terphenyl	1.409	0	1.5	0	94	64	132	0		
Surr: Octacosane	0.5536	0	1.5	0	36.9	26	152	0		

Sample ID **LCS-18326**	Batch ID: **18326**	TestNo: **M8015D**	Units: **mg/L**
SampType **LCS**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 3:50:16 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	19.51	1	25	0	78	50	114	0		
Surr: o-Terphenyl	1.227	0	1.5	0	81.8	64	132	0		
Surr: Octacosane	0.06745	0	1.5	0	4.5	26	152	0		S

Sample ID **0502068-05IMS**	Batch ID: **18326**	TestNo: **M8015D**	Units: **mg/L**
SampType **MS**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 4:43:49 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	21.76	1	25	1.142	82.5	50	114	0		
Surr: o-Terphenyl	1.261	0	1.5	0	84.1	64	132	0		
Surr: Octacosane	0.169	0	1.5	0	11.3	26	152	0		S

Sample ID **0502068-05IMSD**	Batch ID: **18326**	TestNo: **M8015D**	Units: **mg/L**
SampType **MSD**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 5:09:45 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	22.47	1	25	1.142	85.3	50	114	3.18	30	
Surr: o-Terphenyl	1.241	0	1.5	0	82.7	64	132	0	0	
Surr: Octacosane	0.2227	0	1.5	0	14.8	26	152	0	0	S

Sample ID **CCV1-050214**	Batch ID: **R21002**	TestNo: **M8015D**	Units: **mg/L**
SampType **CCV**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 5:34:55 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	524.6	1	500	0	105	85	115	0		
TPH-ORO >C28-C35	2.112	1	0	0	0	0	0	0		
Surr: o-Terphenyl	15.4	0	20	0	77	64	132	0		
Surr: Octacosane	14.18	0	20	0	70.9	26	152	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050214A

Sample ID	**CCV1-050214**	Batch ID:	**R21002**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC15_050214A**	Analysis Date:	**2/14/2005 5:34:55 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	474	1	500	0	94.8	85	115	0		
TPH-ORO >C28-C35	1.327	1	0	0	0	0	0	0		
Surr: o-Terphenyl	16.52	0	20	0	82.6	64	132	0		
Surr: Octacosane	4.028	0	20	0	20.1	26	152	0		S

Sample ID	**ICV-050214**	Batch ID:	**R21002**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC15_050214A**	Analysis Date:	**2/14/2005 3:25:15 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1061	1	1000	0	106	85	115	0		
TPH-ORO >C28-C35	0.109	1	0	0	0	0	0	0		
Surr: o-Terphenyl	21.01	0	25	0	84	64	132	0		
Surr: Octacosane	6.186	0	25	0	24.7	26	152	0		S

Sample ID	**ICV-050214**	Batch ID:	**R21002**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC15_050214A**	Analysis Date:	**2/14/2005 3:25:15 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	886.4	1	1000	0	88.6	85	115	0		
TPH-ORO >C28-C35	0.4162	1	0	0	0	0	0	0		
Surr: o-Terphenyl	16.87	0	25	0	67.5	64	132	0		
Surr: Octacosane	0.7466	0	25	0	2.99	26	152	0		S

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_050216A

Sample ID	MB-18338	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MBLK	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 11:35:23 AM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.2								
Surr: Chlorobenzene	0.09147	0	0.1	0	91.5	74	138	0		

Sample ID	LCS-18338	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	LCS	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 11:14:03 AM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.079	0.2	1.25	0	86.4	67	136	0		
Surr: Chlorobenzene	0.08275	0	0.1	0	82.8	74	138	0		

Sample ID	0502068-05BMS	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MS	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 1:05:11 PM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.47	0.2	1.25	0.1355	107	67	136	0		
Surr: Chlorobenzene	0.1374	0	0.1	0	137	74	138	0		

Sample ID	0502068-05BMSD	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MSD	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 1:27:06 PM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.463	0.2	1.25	0.1355	106	67	136	0.441	30	
Surr: Chlorobenzene	0.1317	0	0.1	0	132	74	138	0	0	

Sample ID	CCV1-050216	Batch ID:	R21026	TestNo:	M8015V	Units:	mg/L
SampType	CCV	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 4:31:56 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	2.419	0.2	2.5	0	96.8	85	115	0		
Surr: Chlorobenzene	0.1337	0	0.1	0	134	74	138	0		

Sample ID	ICV-050216	Batch ID:	R21026	TestNo:	M8015V	Units:	mg/L
SampType	ICV	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 10:38:50 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.492	0.2	5	0	89.8	85	115	0		
Surr: Chlorobenzene	0.1246	0	0.1	0	125	74	138	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050214A

Sample ID	MB-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MBLK	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:13:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	100								
Manganese	ND	10								

Sample ID	LCS-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	LCS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:34:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5165	100	5000	0	103	80	120	0		
Manganese	191.8	10	200	0	95.9	80	120	0		

Sample ID	LCSD-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	LCSD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:38:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5156	100	5000	0	103	80	120	0.174	15	
Manganese	189.5	10	200	0	94.8	80	120	1.21	15	

Sample ID	0502068-05EMS	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:42:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	10770	100	5000	5444	107	80	120	0		
Manganese	201.5	10	200	8.305	96.6	80	120	0		

Sample ID	0502068-05EMSD	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MSD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:46:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	10810	100	5000	5444	107	80	120	0.371	15	
Manganese	202.5	10	200	8.305	97.1	80	120	0.495	15	

Sample ID	0502068-05EPDS	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	PDS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:50:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	9971	100	5000	5444	90.5	75	125	0		
Manganese	195.1	10	200	8.305	93.4	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050214A

Sample ID	**0502068-05ESD**	Batch ID:	**18318**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**SD**	Run ID:	**ICP-MS_050214A**	Analysis Date:	**2/14/2005 3:22:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5695	500	0	5444	0	0	0	4.51	10	
Manganese	ND	50	0	8.305	0	0	0	0	10	

Sample ID	**CCV3-050214**	Batch ID:	**R20990**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**CCV**	Run ID:	**ICP-MS_050214A**	Analysis Date:	**2/14/2005 2:34:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5156	100	5000	0	103	90	110	0		
Manganese	190.8	10	200	0	95.4	90	110	0		

Sample ID	**CCV4-050214**	Batch ID:	**R20990**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**CCV**	Run ID:	**ICP-MS_050214A**	Analysis Date:	**2/14/2005 3:54:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5268	100	5000	0	105	90	110	0		
Manganese	195.2	10	200	0	97.6	90	110	0		

Sample ID	**ICV1-050214**	Batch ID:	**R20990**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**ICP-MS_050214A**	Analysis Date:	**2/14/2005 11:39:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	2684	100	2500	0	107	90	110	0		
Manganese	101.4	10	100	0	101	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**MB-18314**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 2:41:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4								
1,2-Dichlorobenzene	ND	4								
1,3-Dichlorobenzene	ND	4								
1,4-Dichlorobenzene	ND	4								
2,4,5-Trichlorophenol	ND	4								
2,4,6-Trichlorophenol	ND	4								
2,4-Dichlorophenol	ND	4								
2,4-Dimethylphenol	ND	4								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	4								
2,6-Dinitrotoluene	ND	4								
2-Chloronaphthalene	ND	4								
2-Chlorophenol	ND	4								
2-Methylnaphthalene	ND	4								
2-Methylphenol	ND	4								
2-Nitroaniline	ND	4								
2-Nitrophenol	ND	4								
3,3´-Dichlorobenzidine	ND	4								
3-Nitroaniline	ND	4								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl phenyl ether	ND	4								
4-Chloro-3-methylphenol	ND	4								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	4								
4-Methylphenol	ND	4								
4-Nitroaniline	ND	4								
4-Nitrophenol	ND	20								
Acenaphthene	ND	4								
Acenaphthylene	ND	4								
Aniline	ND	4								
Anthracene	ND	4								
Benzo[a]anthracene	ND	4								
Benzo[a]pyrene	ND	4								
Benzo[b]fluoranthene	ND	4								
Benzo[g,h,i]perylene	ND	4								
Benzo[k]fluoranthene	ND	4								
Benzoic acid	ND	10								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	4								
Bis(2-chloroethyl)ether	ND	4								
Bis(2-chloroisopropyl)ether	ND	4								
Bis(2-ethylhexyl)phthalate	ND	4								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **MB-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MBLK**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:41:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	10								
Carbazole	ND	4								
Chrysene	ND	4								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz[a,h]anthracene	ND	4								
Dibenzofuran	ND	4								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	4								
Fluorene	ND	4								
Hexachlorobenzene	ND	4								
Hexachlorobutadiene	ND	4								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	4								
Indeno[1,2,3-cd]pyrene	ND	4								
Isophorone	ND	4								
N-Nitrosodi-n-propylamine	ND	4								
N-Nitrosodiphenylamine	ND	4								
Naphthalene	ND	4								
Nitrobenzene	ND	4								
Pentachlorophenol	ND	4								
Phenanthrene	ND	4								
Phenol	ND	4								
Pyrene	ND	4								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	70.2	0	80	0	87.8	42	124	0		
Surr: 2-Fluorobiphenyl	66	0	80	0	82.5	48	120	0		
Surr: 2-Fluorophenol	36.8	0	80	0	46	20	120	0		
Surr: 4-Terphenyl-d14	66.8	0	80	0	83.5	51	135	0		
Surr: Nitrobenzene-d5	62.2	0	80	0	77.8	41	120	0		
Surr: Phenol-d6	23.8	0	80	0	29.8	20	120	0		

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	34.2	4	40	0	85.5	37	120	0		
1,2-Dichlorobenzene	35.2	4	40	0	88	33	120	0		
1,3-Dichlorobenzene	34.6	4	40	0	86.5	32	120	0		
1,4-Dichlorobenzene	29.2	4	40	0	73	32	120	0		
2,4,5-Trichlorophenol	34	4	40	0	85	49	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	33.2	4	40	0	83	49	126	0		
2,4-Dichlorophenol	32.6	4	40	0	81.5	48	120	0		
2,4-Dimethylphenol	30.4	4	40	0	76	28	120	0		
2,4-Dinitrophenol	19.2	20	40	0	48	25	130	0		
2,4-Dinitrotoluene	38.8	4	40	0	97	51	120	0		
2,6-Dinitrotoluene	38.8	4	40	0	97	49	120	0		
2-Chloronaphthalene	36.4	4	40	0	91	49	120	0		
2-Chlorophenol	29.6	4	40	0	74	37	120	0		
2-Methylnaphthalene	35.4	4	40	0	88.5	45	105	0		
2-Methylphenol	27.4	4	40	0	68.5	38	120	0		
2-Nitroaniline	36.6	4	40	0	91.5	48	120	0		
2-Nitrophenol	33.4	4	40	0	83.5	39	123	0		
3,3´-Dichlorobenzidine	36.8	4	40	0	92	20	120	0		
3-Nitroaniline	36.4	4	40	0	91	20	126	0		
4,6-Dinitro-2-methylphenol	26	10	40	0	65	40	130	0		
4-Bromophenyl phenyl ether	39.8	4	40	0	99.5	52	120	0		
4-Chloro-3-methylphenol	32.8	4	40	0	82	47	120	0		
4-Chloroaniline	34.2	10	40	0	85.5	20	120	0		
4-Chlorophenyl phenyl ether	39.2	4	40	0	98	50	120	0		
4-Methylphenol	25.2	4	40	0	63	32	120	0		
4-Nitroaniline	33.4	4	40	0	83.5	36	120	0		
4-Nitrophenol	10.8	20	40	0	27	20	120	0		
Acenaphthene	37.4	4	40	0	93.5	45	110	0		
Acenaphthylene	49.8	4	40	0	124	60	150	0		
Aniline	31.6	4	40	0	79	10	140	0		
Anthracene	38	4	40	0	95	55	110	0		
Benzo[a]anthracene	36.6	4	40	0	91.5	55	110	0		
Benzo[a]pyrene	37.2	4	40	0	93	55	110	0		
Benzo[b]fluoranthene	38.2	4	40	0	95.5	45	120	0		
Benzo[g,h,i]perylene	36	4	40	0	90	38	123	0		
Benzo[k]fluoranthene	35.6	4	40	0	89	45	125	0		
Benzoic acid	3.6	10	40	0	9	20	120	0		S
Benzyl alcohol	27	10	40	0	67.5	30	120	0		
Bis(2-chloroethoxy)methane	36.8	4	40	0	92	46	120	0		
Bis(2-chloroethyl)ether	36.8	4	40	0	92	37	120	0		
Bis(2-chloroisopropyl)ether	37.6	4	40	0	94	26	131	0		
Bis(2-ethylhexyl)phthalate	36	4	40	0	90	42	126	0		
Butyl benzyl phthalate	35.8	10	40	0	89.5	46	120	0		
Carbazole	38.8	4	40	0	97	26	125	0		
Chrysene	37	4	40	0	92.5	55	110	0		
Di-n-butyl phthalate	37.8	10	40	0	94.5	54	120	0		
Di-n-octyl phthalate	35.2	10	40	0	88	37	137	0		

Qualifiers:
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B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	35.8	4	40	0	89.5	42	127	0		
Dibenzofuran	38	4	40	0	95	54	120	0		
Diethyl phthalate	37.8	10	40	0	94.5	41	120	0		
Dimethyl phthalate	38.4	10	40	0	96	25	127	0		
Fluoranthene	38.8	4	40	0	97	55	115	0		
Fluorene	39.2	4	40	0	98	50	110	0		
Hexachlorobenzene	39.8	4	40	0	99.5	52	120	0		
Hexachlorobutadiene	33.4	4	40	0	83.5	27	120	0		
Hexachlorocyclopentadiene	40.4	10	40	0	101	27	125	0		
Hexachloroethane	33	4	40	0	82.5	28	120	0		
Indeno[1,2,3-cd]pyrene	36	4	40	0	90	45	125	0		
Isophorone	38.8	4	40	0	97	50	120	0		
N-Nitrosodi-n-propylamine	37.2	4	40	0	93	34	128	0		
N-Nitrosodiphenylamine	38.6	4	40	0	96.5	48	120	0		
Naphthalene	35.4	4	40	0	88.5	40	100	0		
Nitrobenzene	37.4	4	40	0	93.5	44	120	0		
Pentachlorophenol	31.6	4	40	0	79	38	120	0		
Phenanthrene	38.2	4	40	0	95.5	50	115	0		
Phenol	12.2	4	40	0	30.5	20	120	0		
Pyrene	36.6	4	40	0	91.5	50	130	0		
Pyridine	23.4	10	40	0	58.5	20	110	0		
Surr: 2,4,6-Tribromophenol	87	0	80	0	109	42	124	0		
Surr: 2-Fluorobiphenyl	77	0	80	0	96.2	48	120	0		
Surr: 2-Fluorophenol	42.4	0	80	0	53	20	120	0		
Surr: 4-Terphenyl-d14	77.8	0	80	0	97.2	51	135	0		
Surr: Nitrobenzene-d5	74	0	80	0	92.5	41	120	0		
Surr: Phenol-d6	27.4	0	80	0	34.2	20	120	0		

Sample ID **0502068-05HMS**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 11:29:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	38.6	4	40	0	96.5	37	120	0		
1,2-Dichlorobenzene	39.2	4	40	0	98	33	120	0		
1,3-Dichlorobenzene	33.6	4	40	0	84	32	120	0		
1,4-Dichlorobenzene	31.4	4	40	0	78.5	32	120	0		
2,4,5-Trichlorophenol	32.2	4	40	0	80.5	49	120	0		
2,4,6-Trichlorophenol	32.6	4	40	0	81.5	49	126	0		
2,4-Dichlorophenol	31.2	4	40	0	78	48	120	0		
2,4-Dimethylphenol	33.8	4	40	0	84.5	28	120	0		
2,4-Dinitrophenol	32.6	20	40	0	81.5	25	130	0		
2,4-Dinitrotoluene	42	4	40	0	105	51	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**0502068-05HMS**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MS**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 11:29:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	43.8	4	40	0	110	49	120	0		
2-Chloronaphthalene	40.2	4	40	0	100	49	120	0		
2-Chlorophenol	28.8	4	40	0	72	37	120	0		
2-Methylnaphthalene	49.2	4	40	10.6	96.5	45	105	0		
2-Methylphenol	27.8	4	40	0	69.5	38	120	0		
2-Nitroaniline	43.4	4	40	0	108	48	120	0		
2-Nitrophenol	30.4	4	40	0	76	39	123	0		
3,3´-Dichlorobenzidine	ND	4	40	0	0	20	120	0		S
3-Nitroaniline	37.2	4	40	0	93	20	126	0		
4,6-Dinitro-2-methylphenol	33.8	10	40	0	84.5	40	130	0		
4-Bromophenyl phenyl ether	44.8	4	40	0	112	52	120	0		
4-Chloro-3-methylphenol	31.4	4	40	0	78.5	47	120	0		
4-Chloroaniline	33.4	10	40	0	83.5	20	120	0		
4-Chlorophenyl phenyl ether	41.8	4	40	0	104	50	120	0		
4-Methylphenol	30.4	4	40	3	68.5	32	120	0		
4-Nitroaniline	35.8	4	40	0	89.5	36	120	0		
4-Nitrophenol	14.6	20	40	0	36.5	20	120	0		
Acenaphthene	41.6	4	40	0	104	45	110	0		
Acenaphthylene	54.6	4	40	0	136	60	150	0		
Aniline	33.6	4	40	0	84	10	140	0		
Anthracene	43.2	4	40	0	108	55	110	0		
Benzo[a]anthracene	40.8	4	40	0	102	55	110	0		
Benzo[a]pyrene	41.8	4	40	0	104	55	110	0		
Benzo[b]fluoranthene	38	4	40	0	95	45	120	0		
Benzo[g,h,i]perylene	40.6	4	40	0	102	38	123	0		
Benzo[k]fluoranthene	41.8	4	40	0	104	45	125	0		
Benzoic acid	8	10	40	0	20	20	120	0		
Benzyl alcohol	32.8	10	40	0	82	30	120	0		
Bis(2-chloroethoxy)methane	40.8	4	40	0	102	46	120	0		
Bis(2-chloroethyl)ether	41.2	4	40	0	103	37	120	0		
Bis(2-chloroisopropyl)ether	41.8	4	40	0	104	26	131	0		
Bis(2-ethylhexyl)phthalate	42.4	4	40	0	106	42	126	0		
Butyl benzyl phthalate	41.8	10	40	0	104	46	120	0		
Carbazole	43.2	4	40	0	108	26	125	0		
Chrysene	40.6	4	40	0	102	55	110	0		
Di-n-butyl phthalate	43.2	10	40	0	108	54	120	0		
Di-n-octyl phthalate	43.4	10	40	0	108	37	137	0		
Dibenz[a,h]anthracene	40.6	4	40	0	102	42	127	0		
Dibenzofuran	41.6	4	40	0	104	54	120	0		
Diethyl phthalate	41.6	10	40	0	104	41	120	0		
Dimethyl phthalate	41.8	10	40	0	104	25	127	0		
Fluoranthene	44	4	40	0	110	55	115	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMS**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 11:29:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Fluorene	43	4	40	1	105	50	110	0		
Hexachlorobenzene	43.8	4	40	0	110	52	120	0		
Hexachlorobutadiene	38	4	40	0	95	27	120	0		
Hexachlorocyclopentadiene	52.8	10	40	0	132	27	125	0		S
Hexachloroethane	37.6	4	40	0	94	28	120	0		
Indeno[1,2,3-cd]pyrene	40.6	4	40	0	102	45	125	0		
Isophorone	42.4	4	40	0	106	50	120	0		
N-Nitrosodi-n-propylamine	40	4	40	0	100	34	128	0		
N-Nitrosodiphenylamine	46.6	4	40	0	116	48	120	0		
Naphthalene	55	4	40	15.6	98.5	40	100	0		
Nitrobenzene	41.2	4	40	0	103	44	120	0		
Pentachlorophenol	35.2	4	40	0	88	38	120	0		
Phenanthrene	42.6	4	40	0	106	50	115	0		
Phenol	13	4	40	0	32.5	20	120	0		
Pyrene	39.8	4	40	0	99.5	50	130	0		
Pyridine	27.6	10	40	0	69	20	110	0		
Surr: 2,4,6-Tribromophenol	83.8	0	80	0	105	42	124	0		
Surr: 2-Fluorobiphenyl	70	0	80	0	87.5	48	120	0		
Surr: 2-Fluorophenol	45.8	0	80	0	57.2	20	120	0		
Surr: 4-Terphenyl-d14	71.2	0	80	0	89	51	135	0		
Surr: Nitrobenzene-d5	68.2	0	80	0	85.2	41	120	0		
Surr: Phenol-d6	30	0	80	0	37.5	20	120	0		

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	38.8	4	40	0	97	37	120	0.517	20	
1,2-Dichlorobenzene	37.8	4	40	0	94.5	33	120	3.64	20	
1,3-Dichlorobenzene	33.2	4	40	0	83	32	120	1.20	20	
1,4-Dichlorobenzene	30.2	4	40	0	75.5	32	120	3.90	20	
2,4,5-Trichlorophenol	33.8	4	40	0	84.5	49	120	4.85	20	
2,4,6-Trichlorophenol	33.2	4	40	0	83	49	126	1.82	20	
2,4-Dichlorophenol	33.6	4	40	0	84	48	120	7.41	20	
2,4-Dimethylphenol	36	4	40	0	90	28	120	6.30	20	
2,4-Dinitrophenol	35.2	20	40	0	88	25	130	7.67	20	
2,4-Dinitrotoluene	42.2	4	40	0	106	51	120	0.475	20	
2,6-Dinitrotoluene	43.8	4	40	0	110	49	120	0	20	
2-Chloronaphthalene	40	4	40	0	100	49	120	0.499	20	
2-Chlorophenol	29.6	4	40	0	74	37	120	2.74	20	
2-Methylnaphthalene	51.2	4	40	10.6	102	45	105	3.98	20	
2-Methylphenol	29.6	4	40	0	74	38	120	6.27	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**0502068-05HMSD**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/16/2005 12:07:00 AM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	High Limit	%RPD	RPD Limit	Qual
2-Nitroaniline	42.6	4	40	0	106	48	120	1.86	20	
2-Nitrophenol	32.8	4	40	0	82	39	123	7.59	20	
3,3´-Dichlorobenzidine	ND	4	40	0	0	20	120	0	20	S
3-Nitroaniline	37.2	4	40	0	93	20	126	0	20	
4,6-Dinitro-2-methylphenol	34.6	10	40	0	86.5	40	130	2.34	20	
4-Bromophenyl phenyl ether	44	4	40	0	110	52	120	1.80	20	
4-Chloro-3-methylphenol	33.2	4	40	0	83	47	120	5.57	20	
4-Chloroaniline	33.2	10	40	0	83	20	120	0.601	20	
4-Chlorophenyl phenyl ether	41.4	4	40	0	104	50	120	0.962	20	
4-Methylphenol	32	4	40	3	72.5	32	120	5.13	20	
4-Nitroaniline	35.8	4	40	0	89.5	36	120	0	20	
4-Nitrophenol	16.2	20	40	0	40.5	20	120	10.4	20	
Acenaphthene	41	4	40	0	103	45	110	1.45	20	
Acenaphthylene	54	4	40	0	135	60	150	1.10	20	
Aniline	30.6	4	40	0	76.5	10	140	9.35	20	
Anthracene	42.4	4	40	0	106	55	110	1.87	20	
Benzo[a]anthracene	40.2	4	40	0	100	55	110	1.48	20	
Benzo[a]pyrene	41.8	4	40	0	104	55	110	0	20	
Benzo[b]fluoranthene	38.8	4	40	0	97	45	120	2.08	20	
Benzo[g,h,i]perylene	41	4	40	0	103	38	123	0.980	20	
Benzo[k]fluoranthene	41	4	40	0	103	45	125	1.93	20	
Benzoic acid	11.2	10	40	0	28	20	120	33.3	20	R
Benzyl alcohol	34.8	10	40	0	87	30	120	5.92	20	
Bis(2-chloroethoxy)methane	40.2	4	40	0	100	46	120	1.48	20	
Bis(2-chloroethyl)ether	40.2	4	40	0	100	37	120	2.46	20	
Bis(2-chloroisopropyl)ether	39.6	4	40	0	99	26	131	5.41	20	
Bis(2-ethylhexyl)phthalate	41.4	4	40	0	104	42	126	2.39	20	
Butyl benzyl phthalate	40.8	10	40	0	102	46	120	2.42	20	
Carbazole	42.2	4	40	0	106	26	125	2.34	20	
Chrysene	39.2	4	40	0	98	55	110	3.51	20	
Di-n-butyl phthalate	42	10	40	0	105	54	120	2.82	20	
Di-n-octyl phthalate	43.6	10	40	0	109	37	137	0.460	20	
Dibenz[a,h]anthracene	40.4	4	40	0	101	42	127	0.494	20	
Dibenzofuran	40.4	4	40	0	101	54	120	2.93	20	
Diethyl phthalate	41.2	10	40	0	103	41	120	0.966	20	
Dimethyl phthalate	41.6	10	40	0	104	25	127	0.480	20	
Fluoranthene	42.6	4	40	0	106	55	115	3.23	20	
Fluorene	42.4	4	40	1	104	50	110	1.41	20	
Hexachlorobenzene	43.4	4	40	0	108	52	120	0.917	20	
Hexachlorobutadiene	38.6	4	40	0	96.5	27	120	1.57	20	
Hexachlorocyclopentadiene	52	10	40	0	130	27	125	1.53	20	S
Hexachloroethane	36.8	4	40	0	92	28	120	2.15	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Indeno[1,2,3-cd]pyrene	40.4	4	40	0	101	45	125	0.494	20	
Isophorone	42.4	4	40	0	106	50	120	0	20	
N-Nitrosodi-n-propylamine	39.2	4	40	0	98	34	128	2.02	20	
N-Nitrosodiphenylamine	45.8	4	40	0	114	48	120	1.73	20	
Naphthalene	56.8	4	40	15.6	103	40	100	3.22	20	S
Nitrobenzene	40.6	4	40	0	102	44	120	1.47	20	
Pentachlorophenol	36.8	4	40	0	92	38	120	4.44	20	
Phenanthrene	42.6	4	40	0	106	50	115	0	20	
Phenol	13.8	4	40	0	34.5	20	120	5.97	20	
Pyrene	39.6	4	40	0	99	50	130	0.504	20	
Pyridine	19.8	10	40	0	49.5	20	110	32.9	20	R
Surr: 2,4,6-Tribromophenol	76.6	0	80	0	95.8	42	124	0	0	
Surr: 2-Fluorobiphenyl	64.4	0	80	0	80.5	48	120	0	0	
Surr: 2-Fluorophenol	44.8	0	80	0	56	20	120	0	0	
Surr: 4-Terphenyl-d14	65.2	0	80	0	81.5	51	135	0	0	
Surr: Nitrobenzene-d5	62	0	80	0	77.5	41	120	0	0	
Surr: Phenol-d6	30.6	0	80	0	38.2	20	120	0	0	

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3950	4	4000	0	98.8	80	120	0		
1,2-Dichlorobenzene	4050	4	4000	0	101	80	120	0		
1,3-Dichlorobenzene	3990	4	4000	0	99.8	80	120	0		
1,4-Dichlorobenzene	3480	4	4000	0	87	80	120	0		
2,4,5-Trichlorophenol	4090	4	4000	0	102	80	120	0		
2,4,6-Trichlorophenol	4070	4	4000	0	102	80	120	0		
2,4-Dichlorophenol	4130	4	4000	0	103	80	120	0		
2,4-Dimethylphenol	3360	4	4000	0	84	80	120	0		
2,4-Dinitrophenol	3650	20	4000	0	91.2	80	120	0		
2,4-Dinitrotoluene	4020	4	4000	0	101	80	120	0		
2,6-Dinitrotoluene	4120	4	4000	0	103	80	120	0		
2-Chloronaphthalene	3820	4	4000	0	95.5	80	120	0		
2-Chlorophenol	4100	4	4000	0	103	80	120	0		
2-Methylnaphthalene	3900	4	4000	0	97.5	80	120	0		
2-Methylphenol	4000	4	4000	0	100	80	120	0		
2-Nitroaniline	3880	4	4000	0	97	80	120	0		
2-Nitrophenol	4120	4	4000	0	103	80	120	0		
3,3´-Dichlorobenzidine	3970	4	4000	0	99.2	70	130	0		
3-Nitroaniline	4070	4	4000	0	102	80	120	0		
4,6-Dinitro-2-methylphenol	4070	10	4000	0	102	70	130	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	4150	4	4000	0	104	80	120	0		
4-Chloro-3-methylphenol	3980	4	4000	0	99.5	70	130	0		
4-Chloroaniline	3800	10	4000	0	95	80	120	0		
4-Chlorophenyl phenyl ether	4010	4	4000	0	100	80	120	0		
4-Methylphenol	4000	4	4000	0	100	80	120	0		
4-Nitroaniline	3990	4	4000	0	99.8	80	120	0		
4-Nitrophenol	3620	20	4000	0	90.5	60	140	0		
Acenaphthene	3850	4	4000	0	96.2	80	120	0		
Acenaphthylene	3790	4	4000	0	94.8	80	120	0		
Aniline	4020	4	4000	0	101	80	120	0		
Anthracene	3740	4	4000	0	93.5	80	120	0		
Benzo[a]anthracene	3720	4	4000	0	93	80	120	0		
Benzo[a]pyrene	3870	4	4000	0	96.8	80	120	0		
Benzo[b]fluoranthene	3850	4	4000	0	96.2	80	120	0		
Benzo[g,h,i]perylene	3960	4	4000	0	99	80	120	0		
Benzo[k]fluoranthene	3810	4	4000	0	95.2	80	120	0		
Benzoic acid	3870	10	4000	0	96.8	70	130	0		
Benzyl alcohol	4120	10	4000	0	103	70	130	0		
Bis(2-chloroethoxy)methane	3820	4	4000	0	95.5	80	120	0		
Bis(2-chloroethyl)ether	4180	4	4000	0	104	80	120	0		
Bis(2-chloroisopropyl)ether	3990	4	4000	0	99.8	80	120	0		
Bis(2-ethylhexyl)phthalate	3770	4	4000	0	94.3	80	120	0		
Butyl benzyl phthalate	3640	10	4000	0	91	80	120	0		
Carbazole	3870	4	4000	0	96.8	80	120	0		
Chrysene	3670	4	4000	0	91.8	80	120	0		
Di-n-butyl phthalate	3590	10	4000	0	89.8	80	120	0		
Di-n-octyl phthalate	3900	10	4000	0	97.5	80	120	0		
Dibenz[a,h]anthracene	3970	4	4000	0	99.2	80	120	0		
Dibenzofuran	3960	4	4000	0	99	80	120	0		
Diethyl phthalate	3750	10	4000	0	93.8	80	120	0		
Dimethyl phthalate	3850	10	4000	0	96.2	80	120	0		
Fluoranthene	3870	4	4000	0	96.8	80	120	0		
Fluorene	3860	4	4000	0	96.5	80	120	0		
Hexachlorobenzene	4110	4	4000	0	103	80	120	0		
Hexachlorobutadiene	4050	4	4000	0	101	80	120	0		
Hexachlorocyclopentadiene	3320	10	4000	0	83	70	130	0		
Hexachloroethane	4050	4	4000	0	101	80	120	0		
Indeno[1,2,3-cd]pyrene	3980	4	4000	0	99.5	80	120	0		
Isophorone	3860	4	4000	0	96.5	80	120	0		
N-Nitrosodi-n-propylamine	3910	4	4000	0	97.8	80	120	0		
N-Nitrosodiphenylamine	3870	4	4000	0	96.8	80	120	0		
Naphthalene	3870	4	4000	0	96.8	80	120	0		

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**ICV1-050215**	Batch ID:	**R21005**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 1:25:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrobenzene	3860	4	4000	0	96.5	80	120	0		
Pentachlorophenol	4380	4	4000	0	110	80	120	0		
Phenanthrene	3790	4	4000	0	94.8	80	120	0		
Phenol	3770	4	4000	0	94.3	80	120	0		
Pyrene	3700	4	4000	0	92.5	80	120	0		
Pyridine	4760	10	4000	0	119	70	130	0		
Surr: 2,4,6-Tribromophenol	4400	0	4000	0	110	80	120	0		
Surr: 2-Fluorobiphenyl	3960	0	4000	0	99	80	120	0		
Surr: 2-Fluorophenol	4310	0	4000	0	108	80	120	0		
Surr: 4-Terphenyl-d14	3860	0	4000	0	96.5	80	120	0		
Surr: Nitrobenzene-d5	3910	0	4000	0	97.8	80	120	0		
Surr: Phenol-d6	4110	0	4000	0	103	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID	**MB-18334**	Batch ID:	**18334**	TestNo:	**SW8270C**	Units:	**mg/Kg**
SampType	**MBLK**	Run ID:	**GCMS3_050215C**	Analysis Date:	**2/16/2005 2:35:00 AM**	Prep Date:	**2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.133								
1,2-Dichlorobenzene	ND	0.133								
1,3-Dichlorobenzene	ND	0.133								
1,4-Dichlorobenzene	ND	0.133								
2,4,5-Trichlorophenol	ND	0.133								
2,4,6-Trichlorophenol	ND	0.133								
2,4-Dichlorophenol	ND	0.133								
2,4-Dimethylphenol	ND	0.133								
2,4-Dinitrophenol	ND	0.66								
2,4-Dinitrotoluene	ND	0.133								
2,6-Dinitrotoluene	ND	0.133								
2-Chloronaphthalene	ND	0.133								
2-Chlorophenol	ND	0.133								
2-Methylnaphthalene	ND	0.133								
2-Methylphenol	ND	0.133								
2-Nitroaniline	ND	0.133								
2-Nitrophenol	ND	0.133								
3,3´-Dichlorobenzidine	ND	0.133								
3-Nitroaniline	ND	0.133								
4,6-Dinitro-2-methylphenol	ND	0.33								
4-Bromophenyl phenyl ether	ND	0.133								
4-Chloro-3-methylphenol	ND	0.133								
4-Chloroaniline	ND	0.33								
4-Chlorophenyl phenyl ether	ND	0.133								
4-Methylphenol	ND	0.133								
4-Nitroaniline	ND	0.133								
4-Nitrophenol	ND	0.66								
Acenaphthene	ND	0.133								
Acenaphthylene	ND	0.133								
Aniline	ND	0.133								
Anthracene	ND	0.133								
Benzo[a]anthracene	ND	0.133								
Benzo[a]pyrene	ND	0.133								
Benzo[b]fluoranthene	ND	0.133								
Benzo[g,h,i]perylene	ND	0.133								
Benzo[k]fluoranthene	ND	0.133								
Benzoic acid	ND	0.66								
Benzyl alcohol	ND	0.33								
Bis(2-chloroethoxy)methane	ND	0.133								
Bis(2-chloroethyl)ether	ND	0.133								
Bis(2-chloroisopropyl)ether	ND	0.133								
Bis(2-ethylhexyl)phthalate	ND	0.133								

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID **MB-18334**	Batch ID: **18334**	TestNo: **SW8270C**	Units: **mg/Kg**
SampType **MBLK**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 2:35:00 AM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	0.33								
Carbazole	ND	0.133								
Chrysene	ND	0.133								
Di-n-butyl phthalate	ND	0.33								
Di-n-octyl phthalate	ND	0.33								
Dibenz[a,h]anthracene	ND	0.133								
Dibenzofuran	ND	0.133								
Diethyl phthalate	ND	0.33								
Dimethyl phthalate	ND	0.33								
Fluoranthene	ND	0.133								
Fluorene	ND	0.133								
Hexachlorobenzene	ND	0.133								
Hexachlorobutadiene	ND	0.133								
Hexachlorocyclopentadiene	ND	0.33								
Hexachloroethane	ND	0.133								
Indeno[1,2,3-cd]pyrene	ND	0.133								
Isophorone	ND	0.133								
N-Nitrosodi-n-propylamine	ND	0.133								
N-Nitrosodiphenylamine	ND	0.133								
Naphthalene	ND	0.133								
Nitrobenzene	ND	0.133								
Pentachlorophenol	ND	0.133								
Phenanthrene	ND	0.133								
Phenol	ND	0.133								
Pyrene	ND	0.133								
Pyridine	ND	0.66								
Surr: 2,4,6-Tribromophenol	2.82	0	2.68	0	105	36	126	0		
Surr: 2-Fluorobiphenyl	2.64	0	2.68	0	98.5	45	125	0		
Surr: 2-Fluorophenol	2.527	0	2.68	0	94.3	37	125	0		
Surr: 4-Terphenyl-d14	2.473	0	2.68	0	92.3	45	125	0		
Surr: Nitrobenzene-d5	2.427	0	2.68	0	90.5	45	125	0		
Surr: Phenol-d6	2.46	0	2.68	0	91.8	40	125	0		

Sample ID **LCS-18334**	Batch ID: **18334**	TestNo: **SW8270C**	Units: **mg/Kg**
SampType **LCS**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 1:58:00 AM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.233	0.133	1.34	0	92	44	125	0		
1,2-Dichlorobenzene	1.233	0.133	1.34	0	92	45	125	0		
1,3-Dichlorobenzene	1.233	0.133	1.34	0	92	39	125	0		
1,4-Dichlorobenzene	1.173	0.133	1.34	0	87.6	35	125	0		
2,4,5-Trichlorophenol	1.073	0.133	1.34	0	80.1	49	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID **LCS-18334**	Batch ID: **18334**	TestNo: **SW8270C**	Units: **mg/Kg**
SampType **LCS**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 1:58:00 AM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	High Limit	%RPD	RPD Limit	Qual
2,4,6-Trichlorophenol	1.073	0.133	1.34	0	80.1	43	125	0		
2,4-Dichlorophenol	1.08	0.133	1.34	0	80.6	45	125	0		
2,4-Dimethylphenol	1.053	0.133	1.34	0	78.6	32	125	0		
2,4-Dinitrophenol	0.9467	0.66	1.34	0	70.6	25	132	0		
2,4-Dinitrotoluene	1.307	0.133	1.34	0	97.5	48	125	0		
2,6-Dinitrotoluene	1.327	0.133	1.34	0	99	48	125	0		
2-Chloronaphthalene	1.253	0.133	1.34	0	93.5	45	125	0		
2-Chlorophenol	1.027	0.133	1.34	0	76.6	44	125	0		
2-Methylnaphthalene	1.2	0.133	1.34	0	89.6	45	105	0		
2-Methylphenol	1.067	0.133	1.34	0	79.6	40	125	0		
2-Nitroaniline	1.267	0.133	1.34	0	94.5	44	125	0		
2-Nitrophenol	1.047	0.133	1.34	0	78.1	42	125	0		
3,3´-Dichlorobenzidine	0.8667	0.133	1.34	0	64.7	25	128	0		
3-Nitroaniline	1.133	0.133	1.34	0	84.6	27	126	0		
4,6-Dinitro-2-methylphenol	1.027	0.33	1.34	0	76.6	29	137	0		
4-Bromophenyl phenyl ether	1.353	0.133	1.34	0	101	46	125	0		
4-Chloro-3-methylphenol	1.073	0.133	1.34	0	80.1	46	125	0		
4-Chloroaniline	0.8867	0.33	1.34	0	66.2	25	125	0		
4-Chlorophenyl phenyl ether	1.273	0.133	1.34	0	95	47	125	0		
4-Methylphenol	1.047	0.133	1.34	0	78.1	41	125	0		
4-Nitroaniline	1.213	0.133	1.34	0	90.5	34	125	0		
4-Nitrophenol	0.98	0.66	1.34	0	73.1	25	138	0		
Acenaphthene	1.253	0.133	1.34	0	93.5	45	110	0		
Acenaphthylene	1.673	0.133	1.34	0	125	45	105	0		S
Aniline	0.86	0.133	1.34	0	64.2	40	125	0		
Anthracene	1.28	0.133	1.34	0	95.5	55	105	0		
Benzo[a]anthracene	1.193	0.133	1.34	0	89.1	50	110	0		
Benzo[a]pyrene	1.22	0.133	1.34	0	91	50	110	0		
Benzo[b]fluoranthene	1.133	0.133	1.34	0	84.6	45	115	0		
Benzo[g,h,i]perylene	1.173	0.133	1.34	0	87.6	38	126	0		
Benzo[k]fluoranthene	1.267	0.133	1.34	0	94.5	45	125	0		
Benzoic acid	0.9	0.66	1.34	0	67.2	25	125	0		
Benzyl alcohol	1.267	0.33	1.34	0	94.5	25	125	0		
Bis(2-chloroethoxy)methane	1.247	0.133	1.34	0	93	43	125	0		
Bis(2-chloroethyl)ether	1.247	0.133	1.34	0	93	38	125	0		
Bis(2-chloroisopropyl)ether	1.233	0.133	1.34	0	92	25	125	0		
Bis(2-ethylhexyl)phthalate	1.22	0.133	1.34	0	91	47	127	0		
Butyl benzyl phthalate	1.167	0.33	1.34	0	87.1	49	125	0		
Carbazole	1.273	0.133	1.34	0	95	40	125	0		
Chrysene	1.2	0.133	1.34	0	89.6	55	110	0		
Di-n-butyl phthalate	1.273	0.33	1.34	0	95	56	125	0		
Di-n-octyl phthalate	1.233	0.33	1.34	0	92	41	132	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID **LCS-18334**	Batch ID: **18334**	TestNo: **SW8270C**	Units: **mg/Kg**
SampType **LCS**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 1:58:00 AM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	1.167	0.133	1.34	0	87.1	41	125	0		
Dibenzofuran	1.247	0.133	1.34	0	93	51	125	0		
Diethyl phthalate	1.247	0.33	1.34	0	93	50	125	0		
Dimethyl phthalate	1.273	0.33	1.34	0	95	49	125	0		
Fluoranthene	1.253	0.133	1.34	0	93.5	55	115	0		
Fluorene	1.267	0.133	1.34	0	94.5	50	110	0		
Hexachlorobenzene	1.32	0.133	1.34	0	98.5	47	125	0		
Hexachlorobutadiene	1.24	0.133	1.34	0	92.5	40	125	0		
Hexachlorocyclopentadiene	1.653	0.33	1.34	0	123	34	125	0		
Hexachloroethane	1.167	0.133	1.34	0	87.1	34	125	0		
Indeno[1,2,3-cd]pyrene	1.167	0.133	1.34	0	87.1	40	120	0		
Isophorone	1.28	0.133	1.34	0	95.5	43	125	0		
N-Nitrosodi-n-propylamine	1.2	0.133	1.34	0	89.6	40	125	0		
N-Nitrosodiphenylamine	1.32	0.133	1.34	0	98.5	49	125	0		
Naphthalene	1.227	0.133	1.34	0	91.5	40	105	0		
Nitrobenzene	1.267	0.133	1.34	0	94.5	41	125	0		
Pentachlorophenol	1.047	0.133	1.34	0	78.1	25	125	0		
Phenanthrene	1.28	0.133	1.34	0	95.5	50	110	0		
Phenol	0.9733	0.133	1.34	0	72.6	25	125	0		
Pyrene	1.2	0.133	1.34	0	89.6	45	125	0		
Pyridine	1.107	0.66	1.34	0	82.6	20	125	0		
Surr: 2,4,6-Tribromophenol	2.967	0	2.68	0	111	36	126	0		
Surr: 2-Fluorobiphenyl	2.6	0	2.68	0	97	45	125	0		
Surr: 2-Fluorophenol	2.533	0	2.68	0	94.5	37	125	0		
Surr: 4-Terphenyl-d14	2.473	0	2.68	0	92.3	45	125	0		
Surr: Nitrobenzene-d5	2.433	0	2.68	0	90.8	45	125	0		
Surr: Phenol-d6	2.48	0	2.68	0	92.5	40	125	0		

Sample ID **0502045-11B MS**	Batch ID: **18334**	TestNo: **SW8270C**	Units: **mg/Kg-dry**
SampType **MS**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 9:29:00 AM**	Prep Date: **2/15/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.508	0.152	1.531	0	98.5	44	125	0		
1,4-Dichlorobenzene	1.485	0.152	1.531	0	97	35	125	0		
2,4-Dinitrotoluene	1.516	0.152	1.531	0	99	48	125	0		
2-Chlorophenol	1.234	0.152	1.531	0	80.6	44	125	0		
4-Chloro-3-methylphenol	1.325	0.152	1.531	0	86.6	46	125	0		
4-Nitrophenol	1.097	0.754	1.531	0	71.6	25	138	0		
Acenaphthene	1.493	0.152	1.531	0	97.5	45	110	0		
N-Nitrosodi-n-propylamine	1.386	0.152	1.531	0	90.5	40	125	0		
Pentachlorophenol	1.135	0.152	1.531	0	74.1	25	125	0		
Phenol	1.12	0.152	1.531	0	73.1	25	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID	0502045-11B MS	Batch ID:	18334	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType	MS	Run ID:	GCMS3_050215C	Analysis Date:	2/16/2005 9:29:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Pyrene	1.485	0.152	1.531	0	97	45	125	0		
Surr: 2,4,6-Tribromophenol	3.809	0	3.062	0	124	36	126	0		
Surr: 2-Fluorobiphenyl	3.138	0	3.062	0	102	45	125	0		
Surr: 2-Fluorophenol	2.91	0	3.062	0	95	37	125	0		
Surr: 4-Terphenyl-d14	3.154	0	3.062	0	103	45	125	0		
Surr: Nitrobenzene-d5	2.841	0	3.062	0	92.8	45	125	0		
Surr: Phenol-d6	2.849	0	3.062	0	93	40	125	0		

Sample ID	0502045-11B MSD	Batch ID:	18334	TestNo:	SW8270C	Units:	mg/Kg-dry
SampType	MSD	Run ID:	GCMS3_050215C	Analysis Date:	2/16/2005 10:07:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.369	0.15	1.511	0	90.5	44	125	9.72	30	
1,4-Dichlorobenzene	1.323	0.15	1.511	0	87.6	35	125	11.5	30	
2,4-Dinitrotoluene	1.263	0.15	1.511	0	83.6	48	125	18.2	30	
2-Chlorophenol	1.105	0.15	1.511	0	73.1	44	125	11.0	30	
4-Chloro-3-methylphenol	1.173	0.15	1.511	0	77.6	46	125	12.2	30	
4-Nitrophenol	0.97	0.744	1.511	0	64.2	25	138	12.3	30	
Acenaphthene	1.331	0.15	1.511	0	88.1	45	110	11.5	30	
N-Nitrosodi-n-propylamine	1.263	0.15	1.511	0	83.6	40	125	9.30	30	
Pentachlorophenol	0.9625	0.15	1.511	0	63.7	25	125	16.5	30	
Phenol	1.023	0.15	1.511	0	67.7	25	125	9.07	30	
Pyrene	1.293	0.15	1.511	0	85.6	45	125	13.8	30	
Surr: 2,4,6-Tribromophenol	3.105	0	3.023	0	103	36	126	0		
Surr: 2-Fluorobiphenyl	2.85	0	3.023	0	94.3	45	125	0		
Surr: 2-Fluorophenol	2.617	0	3.023	0	86.6	37	125	0		
Surr: 4-Terphenyl-d14	2.812	0	3.023	0	93	45	125	0		
Surr: Nitrobenzene-d5	2.549	0	3.023	0	84.3	45	125	0		
Surr: Phenol-d6	2.534	0	3.023	0	83.8	40	125	0		

Sample ID	ICV2-050215	Batch ID:	R21015	TestNo:	SW8270C	Units:	mg/Kg
SampType	ICV	Run ID:	GCMS3_050215C	Analysis Date:	2/16/2005 1:21:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	4.02	0.133	4	0	101	80	120	0		
1,2-Dichlorobenzene	4.01	0.133	4	0	100	80	120	0		
1,3-Dichlorobenzene	3.95	0.133	4	0	98.8	80	120	0		
1,4-Dichlorobenzene	3.62	0.133	4	0	90.5	80	120	0		
2,4,5-Trichlorophenol	4.05	0.133	4	0	101	80	120	0		
2,4,6-Trichlorophenol	4.08	0.133	4	0	102	80	120	0		
2,4-Dichlorophenol	4.19	0.133	4	0	105	80	120	0		
2,4-Dimethylphenol	3.25	0.133	4	0	81.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID **ICV2-050215**	Batch ID: **R21015**	TestNo: **SW8270C**	Units: **mg/Kg**
SampType **ICV**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 1:21:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,4-Dinitrophenol	3.85	0.66	4	0	96.2	80	120	0		
2,4-Dinitrotoluene	3.98	0.133	4	0	99.5	80	120	0		
2,6-Dinitrotoluene	4.17	0.133	4	0	104	80	120	0		
2-Chloronaphthalene	3.86	0.133	4	0	96.5	80	120	0		
2-Chlorophenol	4.05	0.133	4	0	101	80	120	0		
2-Methylnaphthalene	3.94	0.133	4	0	98.5	80	120	0		
2-Methylphenol	3.94	0.133	4	0	98.5	80	120	0		
2-Nitroaniline	3.81	0.133	4	0	95.2	80	120	0		
2-Nitrophenol	4.22	0.133	4	0	106	80	120	0		
3,3´-Dichlorobenzidine	4.11	0.133	4	0	103	70	130	0		
3-Nitroaniline	4.13	0.133	4	0	103	80	120	0		
4,6-Dinitro-2-methylphenol	4.24	0.33	4	0	106	70	130	0		
4-Bromophenyl phenyl ether	4.25	0.133	4	0	106	80	120	0		
4-Chloro-3-methylphenol	4.03	0.133	4	0	101	70	130	0		
4-Chloroaniline	3.85	0.33	4	0	96.2	80	120	0		
4-Chlorophenyl phenyl ether	4.03	0.133	4	0	101	80	120	0		
4-Methylphenol	3.88	0.133	4	0	97	80	120	0		
4-Nitroaniline	3.96	0.133	4	0	99	80	120	0		
4-Nitrophenol	3.67	0.66	4	0	91.8	60	140	0		
Acenaphthene	3.81	0.133	4	0	95.2	80	120	0		
Acenaphthylene	3.79	0.133	4	0	94.8	80	120	0		
Aniline	3.92	0.133	4	0	98	80	120	0		
Anthracene	3.79	0.133	4	0	94.8	80	120	0		
Benzo[a]anthracene	3.67	0.133	4	0	91.8	80	120	0		
Benzo[a]pyrene	3.89	0.133	4	0	97.2	80	120	0		
Benzo[b]fluoranthene	3.92	0.133	4	0	98	80	120	0		
Benzo[g,h,i]perylene	3.9	0.133	4	0	97.5	80	120	0		
Benzo[k]fluoranthene	3.74	0.133	4	0	93.5	80	120	0		
Benzoic acid	4.1	0.66	4	0	103	70	130	0		
Benzyl alcohol	4.13	0.33	4	0	103	70	130	0		
Bis(2-chloroethoxy)methane	3.89	0.133	4	0	97.2	80	120	0		
Bis(2-chloroethyl)ether	4.09	0.133	4	0	102	80	120	0		
Bis(2-chloroisopropyl)ether	3.83	0.133	4	0	95.8	80	120	0		
Bis(2-ethylhexyl)phthalate	3.82	0.133	4	0	95.5	80	120	0		
Butyl benzyl phthalate	3.7	0.33	4	0	92.5	80	120	0		
Carbazole	3.93	0.133	4	0	98.2	80	120	0		
Chrysene	3.74	0.133	4	0	93.5	80	120	0		
Di-n-butyl phthalate	3.67	0.33	4	0	91.8	80	120	0		
Di-n-octyl phthalate	4.02	0.33	4	0	101	80	120	0		
Dibenz[a,h]anthracene	3.95	0.133	4	0	98.8	80	120	0		
Dibenzofuran	3.92	0.133	4	0	98	80	120	0		
Diethyl phthalate	3.74	0.33	4	0	93.5	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215C

Sample ID **ICV2-050215**	Batch ID: **R21015**	TestNo: **SW8270C**	Units: **mg/Kg**
SampType **ICV**	Run ID: **GCMS3_050215C**	Analysis Date: **2/16/2005 1:21:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dimethyl phthalate	3.9	0.33	4	0	97.5	80	120	0		
Fluoranthene	3.92	0.133	4	0	98	80	120	0		
Fluorene	3.87	0.133	4	0	96.8	80	120	0		
Hexachlorobenzene	4.17	0.133	4	0	104	80	120	0		
Hexachlorobutadiene	4.13	0.133	4	0	103	80	120	0		
Hexachlorocyclopentadiene	3.33	0.33	4	0	83.2	70	130	0		
Hexachloroethane	3.96	0.133	4	0	99	80	120	0		
Indeno[1,2,3-cd]pyrene	3.96	0.133	4	0	99	80	120	0		
Isophorone	3.88	0.133	4	0	97	80	120	0		
N-Nitrosodi-n-propylamine	3.85	0.133	4	0	96.2	80	120	0		
N-Nitrosodiphenylamine	3.98	0.133	4	0	99.5	80	120	0		
Naphthalene	3.91	0.133	4	0	97.8	80	120	0		
Nitrobenzene	3.85	0.133	4	0	96.2	80	120	0		
Pentachlorophenol	4.49	0.133	4	0	112	80	120	0		
Phenanthrene	3.85	0.133	4	0	96.2	80	120	0		
Phenol	3.73	0.133	4	0	93.2	80	120	0		
Pyrene	3.67	0.133	4	0	91.8	80	120	0		
Pyridine	4.73	0.66	4	0	118	80	120	0		
Surr: 2,4,6-Tribromophenol	4.71	0	4	0	118	80	120	0		
Surr: 2-Fluorobiphenyl	4.03	0	4	0	101	80	120	0		
Surr: 2-Fluorophenol	4.23	0	4	0	106	80	120	0		
Surr: 4-Terphenyl-d14	3.83	0	4	0	95.8	80	120	0		
Surr: Nitrobenzene-d5	3.97	0	4	0	99.2	80	120	0		
Surr: Phenol-d6	4.04	0	4	0	101	80	120	0		

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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID	**MB-18348**	Batch ID:	**18348**	TestNo:	**SW8260B**	Units:	**µg/Kg**
SampType	**MBLK**	Run ID:	**GCMS2_050216A**	Analysis Date:	**2/16/2005 12:53:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5								
1,1,1-Trichloroethane	ND	5								
1,1,2,2-Tetrachloroethane	ND	5								
1,1,2-Trichloroethane	ND	5								
1,1-Dichloroethane	ND	5								
1,1-Dichloroethene	ND	5								
1,1-Dichloropropene	ND	5								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	5								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	5								
1,2-Dibromoethane	ND	5								
1,2-Dichlorobenzene	ND	5								
1,2-Dichloroethane	ND	5								
1,2-Dichloropropane	ND	5								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	5								
1,3-Dichloropropane	ND	5								
1,4-Dichlorobenzene	ND	5								
2,2-Dichloropropane	ND	5								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	5								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	5								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	50								
Benzene	ND	5								
Bromobenzene	ND	5								
Bromochloromethane	ND	5								
Bromodichloromethane	ND	5								
Bromoform	ND	5								
Bromomethane	ND	5								
Carbon disulfide	ND	5								
Carbon tetrachloride	ND	5								
Chlorobenzene	ND	5								
Chloroethane	ND	5								
Chloroform	ND	5								
Chloromethane	ND	5								
cis-1,2-Dichloroethene	ND	5								
cis-1,3-Dichloropropene	ND	5								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID	**MB-18348**	Batch ID:	**18348**	TestNo:	**SW8260B**	Units:	**µg/Kg**
SampType	**MBLK**	Run ID:	**GCMS2_050216A**	Analysis Date:	**2/16/2005 12:53:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5								
Dibromomethane	ND	5								
Dichlorodifluoromethane	ND	5								
Ethylbenzene	ND	5								
Hexachlorobutadiene	ND	5								
Iodomethane	ND	5								
Isopropylbenzene	ND	5								
m,p-Xylene	ND	5								
Methyl tert-butyl ether	ND	5								
Methylene chloride	ND	5								
n-Butylbenzene	ND	5								
n-Propylbenzene	ND	5								
Naphthalene	ND	15								
o-Xylene	ND	5								
p-Isopropyltoluene	ND	5								
sec-Butylbenzene	ND	5								
Styrene	ND	5								
tert-Butylbenzene	ND	5								
Tetrachloroethene	ND	5								
Toluene	ND	5								
trans-1,2-Dichloroethene	ND	5								
trans-1,3-Dichloropropene	ND	5								
Trichloroethene	ND	5								
Trichlorofluoromethane	ND	15								
Vinyl chloride	ND	5								
Surr: 1,2-Dichloroethane-d4	51.27	0	50	0	103	78	118	0		
Surr: 4-Bromofluorobenzene	47.29	0	50	0	94.6	80	115	0		
Surr: Dibromofluoromethane	51.38	0	50	0	103	80	115	0		
Surr: Toluene-d8	44.72	0	50	0	89.4	80	115	0		

Sample ID	**LCS-18348**	Batch ID:	**18348**	TestNo:	**SW8260B**	Units:	**µg/Kg**
SampType	**LCS**	Run ID:	**GCMS2_050216A**	Analysis Date:	**2/16/2005 11:16:00 AM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.04	5	23.2	0	90.7	74	125	0		
1,1,1-Trichloroethane	22.63	5	23.2	0	97.5	68	130	0		
1,1,2,2-Tetrachloroethane	21.75	5	23.2	0	93.8	59	140	0		
1,1,2-Trichloroethane	23.33	5	23.2	0	101	62	127	0		
1,1-Dichloroethane	23.14	5	23.2	0	99.7	73	125	0		
1,1-Dichloroethene	22.06	5	23.2	0	95.1	65	136	0		
1,1-Dichloropropene	23.59	5	23.2	0	102	70	135	0		
1,2,3-Trichlorobenzene	24.18	5	23.2	0	104	62	133	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID **LCS-18348**	Batch ID: **18348**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **LCS**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 11:16:00 AM**	Prep Date: **2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	22.88	5	23.2	0	98.6	63	130	0		
1,2,4-Trichlorobenzene	25.45	5	23.2	0	110	65	131	0		
1,2,4-Trimethylbenzene	24.2	5	23.2	0	104	65	135	0		
1,2-Dibromo-3-chloropropane	19.72	5	23.2	0	85	49	135	0		
1,2-Dibromoethane	21.23	5	23.2	0	91.5	70	124	0		
1,2-Dichlorobenzene	23.32	5	23.2	0	101	74	120	0		
1,2-Dichloroethane	22.69	5	23.2	0	97.8	72	137	0		
1,2-Dichloropropane	23.57	5	23.2	0	102	71	120	0		
1,3,5-Trimethylbenzene	24.66	5	23.2	0	106	65	133	0		
1,3-Dichlorobenzene	24.23	5	23.2	0	104	72	124	0		
1,3-Dichloropropane	21.4	5	23.2	0	92.2	76	123	0		
1,4-Dichlorobenzene	24.19	5	23.2	0	104	72	125	0		
2,2-Dichloropropane	24.73	5	23.2	0	107	67	134	0		
2-Butanone	21.17	15	23.2	0	91.2	40	135	0		
2-Chloroethylvinylether	23.71	15	23.2	0	102	50	150	0		
2-Chlorotoluene	23.63	5	23.2	0	102	69	128	0		
2-Hexanone	20.24	15	23.2	0	87.2	50	150	0		
4-Chlorotoluene	23.99	5	23.2	0	103	73	126	0		
4-Methyl-2-pentanone	21.12	15	23.2	0	91	47	147	0		
Acetone	19.45	50	23.2	0	83.8	40	141	0		
Benzene	23.51	5	23.2	0	101	73	126	0		
Bromobenzene	22.97	5	23.2	0	99	66	121	0		
Bromochloromethane	23.17	5	23.2	0	99.9	71	127	0		
Bromodichloromethane	22.43	5	23.2	0	96.7	72	128	0		
Bromoform	19.79	5	23.2	0	85.3	66	137	0		
Bromomethane	17.4	5	23.2	0	75	45	141	0		
Carbon disulfide	25.3	5	23.2	0	109	50	150	0		
Carbon tetrachloride	22.37	5	23.2	0	96.4	67	133	0		
Chlorobenzene	22.78	5	23.2	0	98.2	75	123	0		
Chloroethane	20.73	5	23.2	0	89.4	41	141	0		
Chloroform	22.86	5	23.2	0	98.5	72	124	0		
Chloromethane	22.49	5	23.2	0	96.9	51	129	0		
cis-1,2-Dichloroethene	23.05	5	23.2	0	99.4	67	125	0		
cis-1,3-Dichloropropene	23.32	5	23.2	0	101	72	126	0		
Dibromochloromethane	20.14	5	23.2	0	86.8	66	130	0		
Dibromomethane	21.92	5	23.2	0	94.5	73	128	0		
Dichlorodifluoromethane	20.71	5	23.2	0	89.3	34	136	0		
Ethylbenzene	23.42	5	23.2	0	101	74	127	0		
Hexachlorobutadiene	26.79	5	23.2	0	115	53	142	0		
Iodomethane	21.05	5	23.2	0	90.7	50	150	0		
Isopropylbenzene	22.77	5	23.2	0	98.1	77	129	0		
m,p-Xylene	47.9	5	46.4	0	103	79	126	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID **LCS-18348**	Batch ID: **18348**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **LCS**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 11:16:00 AM**	Prep Date: **2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	22.98	5	23.2	0	99.1	50	135	0		
Methylene chloride	17.39	5	23.2	0	75	63	137	0		
n-Butylbenzene	26.19	5	23.2	0	113	65	138	0		
n-Propylbenzene	25.04	5	23.2	0	108	63	135	0		
Naphthalene	23.28	15	23.2	0	100	51	135	0		
o-Xylene	22.11	5	23.2	0	95.3	77	125	0		
p-Isopropyltoluene	25.82	5	23.2	0	111	75	133	0		
sec-Butylbenzene	25.57	5	23.2	0	110	63	132	0		
Styrene	22.81	5	23.2	0	98.3	74	128	0		
tert-Butylbenzene	24.47	5	23.2	0	105	65	132	0		
Tetrachloroethene	22.88	5	23.2	0	98.6	67	139	0		
Toluene	21.82	5	23.2	0	94.1	71	127	0		
trans-1,2-Dichloroethene	23.09	5	23.2	0	99.5	66	134	0		
trans-1,3-Dichloropropene	23.54	5	23.2	0	101	65	127	0		
Trichloroethene	23.22	5	23.2	0	100	77	124	0		
Trichlorofluoromethane	23.94	15	23.2	0	103	49	139	0		
Vinyl chloride	22.08	5	23.2	0	95.2	58	126	0		
Surr: 1,2-Dichloroethane-d4	50.54	0	50	0	101	78	118	0		
Surr: 4-Bromofluorobenzene	48.9	0	50	0	97.8	80	115	0		
Surr: Dibromofluoromethane	51.52	0	50	0	103	80	115	0		
Surr: Toluene-d8	46.39	0	50	0	92.8	80	115	0		

Sample ID **LCSD-18348**	Batch ID: **18348**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **LCSD**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 11:47:00 AM**	Prep Date: **2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.74	5	23.2	0	93.7	74	125	3.27	30	
1,1,1-Trichloroethane	22.57	5	23.2	0	97.3	68	130	0.265	30	
1,1,2,2-Tetrachloroethane	21.99	5	23.2	0	94.8	59	140	1.10	30	
1,1,2-Trichloroethane	23.61	5	23.2	0	102	62	127	1.19	30	
1,1-Dichloroethane	23.18	5	23.2	0	99.9	73	125	0.173	30	
1,1-Dichloroethene	23.44	5	23.2	0	101	65	136	6.07	30	
1,1-Dichloropropene	23.77	5	23.2	0	102	70	135	0.760	30	
1,2,3-Trichlorobenzene	25.14	5	23.2	0	108	62	133	3.89	30	
1,2,3-Trichloropropane	22.81	5	23.2	0	98.3	63	130	0.306	30	
1,2,4-Trichlorobenzene	25.96	5	23.2	0	112	65	131	1.98	30	
1,2,4-Trimethylbenzene	24.08	5	23.2	0	104	65	135	0.497	30	
1,2-Dibromo-3-chloropropane	20.43	5	23.2	0	88.1	49	135	3.54	30	
1,2-Dibromoethane	21.32	5	23.2	0	91.9	70	124	0.423	30	
1,2-Dichlorobenzene	23.5	5	23.2	0	101	74	120	0.769	30	
1,2-Dichloroethane	22.49	5	23.2	0	96.9	72	137	0.885	30	
1,2-Dichloropropane	23.75	5	23.2	0	102	71	120	0.761	30	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID **LCSD-18348**	Batch ID: **18348**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **LCSD**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 11:47:00 AM**	Prep Date: **2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	24.79	5	23.2	0	107	65	133	0.526	30	
1,3-Dichlorobenzene	24.39	5	23.2	0	105	72	124	0.658	30	
1,3-Dichloropropane	22.04	5	23.2	0	95	76	123	2.95	30	
1,4-Dichlorobenzene	24.53	5	23.2	0	106	72	125	1.40	30	
2,2-Dichloropropane	23.99	5	23.2	0	103	67	134	3.04	30	
2-Butanone	20.2	15	23.2	0	87.1	40	135	4.69	30	
2-Chloroethylvinylether	24.01	15	23.2	0	103	50	150	1.26	30	
2-Chlorotoluene	24.01	5	23.2	0	103	69	128	1.60	30	
2-Hexanone	21.51	15	23.2	0	92.7	50	150	6.08	30	
4-Chlorotoluene	24.13	5	23.2	0	104	73	126	0.582	30	
4-Methyl-2-pentanone	21.29	15	23.2	0	91.8	47	147	0.802	30	
Acetone	19.87	50	23.2	0	85.6	40	141	2.14	30	
Benzene	23.76	5	23.2	0	102	73	126	1.06	30	
Bromobenzene	23.14	5	23.2	0	99.7	66	121	0.737	30	
Bromochloromethane	22.77	5	23.2	0	98.1	71	127	1.74	30	
Bromodichloromethane	22.59	5	23.2	0	97.4	72	128	0.711	30	
Bromoform	20.68	5	23.2	0	89.1	66	137	4.40	30	
Bromomethane	18.24	5	23.2	0	78.6	45	141	4.71	30	
Carbon disulfide	26.75	5	23.2	0	115	50	150	5.57	30	
Carbon tetrachloride	22.66	5	23.2	0	97.7	67	133	1.29	30	
Chlorobenzene	23.03	5	23.2	0	99.3	75	123	1.09	30	
Chloroethane	21.3	5	23.2	0	91.8	41	141	2.71	30	
Chloroform	22.87	5	23.2	0	98.6	72	124	0.0437	30	
Chloromethane	22.29	5	23.2	0	96.1	51	129	0.893	30	
cis-1,2-Dichloroethene	22.36	5	23.2	0	96.4	67	125	3.04	30	
cis-1,3-Dichloropropene	23.19	5	23.2	0	100	72	126	0.559	30	
Dibromochloromethane	20.76	5	23.2	0	89.5	66	130	3.03	30	
Dibromomethane	22.46	5	23.2	0	96.8	73	128	2.43	30	
Dichlorodifluoromethane	20.63	5	23.2	0	88.9	34	136	0.387	30	
Ethylbenzene	23.77	5	23.2	0	102	74	127	1.48	30	
Hexachlorobutadiene	28.02	5	23.2	0	121	53	142	4.49	30	
Iodomethane	21.64	5	23.2	0	93.3	50	150	2.76	30	
Isopropylbenzene	23.69	5	23.2	0	102	77	129	3.96	30	
m,p-Xylene	48.62	5	46.4	0	105	79	126	1.49	30	
Methyl tert-butyl ether	23.47	5	23.2	0	101	50	135	2.11	30	
Methylene chloride	17.9	5	23.2	0	77.2	63	137	2.89	30	
n-Butylbenzene	26.83	5	23.2	0	116	65	138	2.41	30	
n-Propylbenzene	24.83	5	23.2	0	107	63	135	0.842	30	
Naphthalene	23.77	15	23.2	0	102	51	135	2.08	30	
o-Xylene	23.06	5	23.2	0	99.4	77	125	4.21	30	
p-Isopropyltoluene	25.73	5	23.2	0	111	75	133	0.349	30	
sec-Butylbenzene	25.57	5	23.2	0	110	63	132	0	30	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID **LCSD-18348**	Batch ID: **18348**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **LCSD**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 11:47:00 AM**	Prep Date: **2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Styrene	23.35	5	23.2	0	101	74	128	2.34	30	
tert-Butylbenzene	24.6	5	23.2	0	106	65	132	0.530	30	
Tetrachloroethene	23.07	5	23.2	0	99.4	67	139	0.827	30	
Toluene	21.47	5	23.2	0	92.5	71	127	1.62	30	
trans-1,2-Dichloroethene	22.99	5	23.2	0	99.1	66	134	0.434	30	
trans-1,3-Dichloropropene	23.13	5	23.2	0	99.7	65	127	1.76	30	
Trichloroethene	23.54	5	23.2	0	101	77	124	1.37	30	
Trichlorofluoromethane	24.17	15	23.2	0	104	49	139	0.956	30	
Vinyl chloride	22.87	5	23.2	0	98.6	58	126	3.52	30	
Surr: 1,2-Dichloroethane-d4	50.47	0	50	0	101	78	118	0	0	
Surr: 4-Bromofluorobenzene	48.79	0	50	0	97.6	80	115	0	0	
Surr: Dibromofluoromethane	51.13	0	50	0	102	80	115	0	0	
Surr: Toluene-d8	47.4	0	50	0	94.8	80	115	0	0	

Sample ID **ICV-050216**	Batch ID: **R21038**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **ICV**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 10:24:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	43.49	5	46.4	0	93.7	80	120	0		
1,1,1-Trichloroethane	45.59	5	46.4	0	98.3	80	120	0		
1,1,2,2-Tetrachloroethane	42.55	5	46.4	0	91.7	80	120	0		
1,1,2-Trichloroethane	44.7	5	46.4	0	96.3	80	120	0		
1,1-Dichloroethane	46.62	5	46.4	0	100	80	120	0		
1,1-Dichloroethene	47.47	5	46.4	0	102	80	120	0		
1,1-Dichloropropene	46.64	5	46.4	0	101	80	120	0		
1,2,3-Trichlorobenzene	49.52	5	46.4	0	107	80	120	0		
1,2,3-Trichloropropane	44.96	5	46.4	0	96.9	80	120	0		
1,2,4-Trichlorobenzene	51.71	5	46.4	0	111	80	120	0		
1,2,4-Trimethylbenzene	47.91	5	46.4	0	103	80	120	0		
1,2-Dibromo-3-chloropropane	40.94	5	46.4	0	88.2	80	120	0		
1,2-Dibromoethane	43.26	5	46.4	0	93.2	80	120	0		
1,2-Dichlorobenzene	46.5	5	46.4	0	100	80	120	0		
1,2-Dichloroethane	44.44	5	46.4	0	95.8	80	120	0		
1,2-Dichloropropane	46.08	5	46.4	0	99.3	80	120	0		
1,3,5-Trimethylbenzene	48.27	5	46.4	0	104	80	120	0		
1,3-Dichlorobenzene	48.04	5	46.4	0	104	80	120	0		
1,3-Dichloropropane	42.95	5	46.4	0	92.6	80	120	0		
1,4-Dichlorobenzene	47.78	5	46.4	0	103	80	120	0		
2,2-Dichloropropane	47.62	5	46.4	0	103	80	120	0		
2-Butanone	41.27	15	46.4	0	88.9	80	120	0		
2-Chloroethylvinylether	47	15	46.4	0	101	80	120	0		
2-Chlorotoluene	46.66	5	46.4	0	101	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID **ICV-050216**	Batch ID: **R21038**	TestNo: **SW8260B**	Units: **µg/Kg**
SampType **ICV**	Run ID: **GCMS2_050216A**	Analysis Date: **2/16/2005 10:24:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2-Hexanone	42.13	15	46.4	0	90.8	80	120	0		
4-Chlorotoluene	47.23	5	46.4	0	102	80	120	0		
4-Methyl-2-pentanone	42.94	15	46.4	0	92.5	80	120	0		
Acetone	40.42	50	46.4	0	87.1	80	120	0		
Benzene	46.62	5	46.4	0	100	80	120	0		
Bromobenzene	45.67	5	46.4	0	98.4	80	120	0		
Bromochloromethane	46.18	5	46.4	0	99.5	80	120	0		
Bromodichloromethane	45.18	5	46.4	0	97.4	80	120	0		
Bromoform	43.3	5	46.4	0	93.3	80	120	0		
Bromomethane	40.62	5	46.4	0	87.5	80	120	0		
Carbon disulfide	53.57	5	46.4	0	115	80	120	0		
Carbon tetrachloride	46.07	5	46.4	0	99.3	80	120	0		
Chlorobenzene	45.77	5	46.4	0	98.6	80	120	0		
Chloroethane	43.76	5	46.4	0	94.3	80	120	0		
Chloroform	45.21	5	46.4	0	97.4	80	120	0		
Chloromethane	45.59	5	46.4	0	98.3	80	120	0		
cis-1,2-Dichloroethene	46.38	5	46.4	0	100	80	120	0		
cis-1,3-Dichloropropene	46.12	5	46.4	0	99.4	80	120	0		
Dibromochloromethane	42.31	5	46.4	0	91.2	80	120	0		
Dibromomethane	44.94	5	46.4	0	96.9	80	120	0		
Dichlorodifluoromethane	41.09	5	46.4	0	88.6	80	120	0		
Ethylbenzene	46.97	5	46.4	0	101	80	120	0		
Hexachlorobutadiene	53.36	5	46.4	0	115	80	120	0		
Iodomethane	53.44	5	46.4	0	115	80	120	0		
Isopropylbenzene	46.56	5	46.4	0	100	80	120	0		
m,p-Xylene	95.2	5	92.8	0	103	80	120	0		
Methyl tert-butyl ether	46.45	5	46.4	0	100	80	120	0		
Methylene chloride	46.36	5	46.4	0	99.9	80	120	0		
n-Butylbenzene	51.77	5	46.4	0	112	80	120	0		
n-Propylbenzene	48.27	5	46.4	0	104	80	120	0		
Naphthalene	46.23	15	46.4	0	99.6	80	120	0		
o-Xylene	46.31	5	46.4	0	99.8	80	120	0		
p-Isopropyltoluene	50.25	5	46.4	0	108	80	120	0		
sec-Butylbenzene	49.34	5	46.4	0	106	80	120	0		
Styrene	46.91	5	46.4	0	101	80	120	0		
tert-Butylbenzene	48.25	5	46.4	0	104	80	120	0		
Tetrachloroethene	46.02	5	46.4	0	99.2	80	120	0		
Toluene	44.03	5	46.4	0	94.9	80	120	0		
trans-1,2-Dichloroethene	47.55	5	46.4	0	102	80	120	0		
trans-1,3-Dichloropropene	47.12	5	46.4	0	102	80	120	0		
Trichloroethene	46.97	5	46.4	0	101	80	120	0		
Trichlorofluoromethane	48.37	15	46.4	0	104	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_050216A

Sample ID	**ICV-050216**	Batch ID:	**R21038**	TestNo:	**SW8260B**	Units:	**µg/Kg**
SampType	**ICV**	Run ID:	**GCMS2_050216A**	Analysis Date:	**2/16/2005 10:24:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	44.77	5	46.4	0	96.5	80	120	0		
Surr: 1,2-Dichloroethane-d4	51.37	0	50	0	103	78	118	0		
Surr: 4-Bromofluorobenzene	48.36	0	50	0	96.7	80	115	0		
Surr: Dibromofluoromethane	50.96	0	50	0	102	80	115	0		
Surr: Toluene-d8	47.26	0	50	0	94.5	80	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**MB-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 12:06:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,1,2-Trichloroethane	ND	1								
1,1-Dichloroethane	ND	1								
1,1-Dichloroethene	ND	1								
1,1-Dichloropropene	ND	1								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	1								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	10								
1,2-Dibromoethane	ND	1								
1,2-Dichlorobenzene	ND	1								
1,2-Dichloroethane	ND	1								
1,2-Dichloropropane	ND	1								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	1								
1,3-Dichloropropane	ND	1								
1,4-Dichlorobenzene	ND	1								
2,2-Dichloropropane	ND	1								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	1								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	1								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	15								
Benzene	ND	1								
Bromobenzene	ND	1								
Bromochloromethane	ND	1								
Bromodichloromethane	ND	1								
Bromoform	ND	1								
Bromomethane	ND	1								
Carbon disulfide	ND	15								
Carbon tetrachloride	ND	1								
Chlorobenzene	ND	1								
Chloroethane	ND	1								
Chloroform	ND	1								
Chloromethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
cis-1,3-Dichloropropene	ND	1								

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**MB-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 12:06:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1								
Dibromomethane	ND	1								
Dichlorodifluoromethane	ND	1								
Ethylbenzene	ND	1								
Hexachlorobutadiene	ND	3								
Iodomethane	ND	15								
Isopropylbenzene	ND	1								
m,p-Xylene	ND	2								
Methyl tert-butyl ether	ND	1								
Methylene chloride	ND	2.5								
n-Butylbenzene	ND	1								
n-Propylbenzene	ND	1								
Naphthalene	ND	15								
o-Xylene	ND	1								
p-Isopropyltoluene	ND	1								
sec-Butylbenzene	ND	1								
Styrene	ND	1								
tert-Butylbenzene	ND	1								
Tetrachloroethene	ND	2								
Toluene	ND	2								
trans-1,2-Dichloroethene	ND	1								
trans-1,3-Dichloropropene	ND	1								
Trichloroethene	ND	2								
Trichlorofluoromethane	ND	1								
Vinyl chloride	ND	1								
Surr: 1,2-Dichloroethane-d4	51.95	0	50	0	104	72	119	0		
Surr: 4-Bromofluorobenzene	50.52	0	50	0	101	76	119	0		
Surr: Dibromofluoromethane	53.35	0	50	0	107	85	115	0		
Surr: Toluene-d8	48.11	0	50	0	96.2	81	120	0		

Sample ID	**LCS-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**LCS**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 11:09:00 PM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	23.75	1	23.2	0	102	81	129	0		
1,1,1-Trichloroethane	25.15	1	23.2	0	108	67	132	0		
1,1,2,2-Tetrachloroethane	22.75	1	23.2	0	98.1	63	128	0		
1,1,2-Trichloroethane	24.77	1	23.2	0	107	75	125	0		
1,1-Dichloroethane	24.74	1	23.2	0	107	69	133	0		
1,1-Dichloroethene	24.84	1	23.2	0	107	68	130	0		
1,1-Dichloropropene	23.27	1	23.2	0	100	73	132	0		
1,2,3-Trichlorobenzene	20.77	5	23.2	0	89.5	67	137	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **LCS-18332**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/14/2005 11:09:00 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	23.85	1	23.2	0	103	73	124	0		
1,2,4-Trichlorobenzene	19.85	5	23.2	0	85.6	66	134	0		
1,2,4-Trimethylbenzene	22.58	5	23.2	0	97.3	74	132	0		
1,2-Dibromo-3-chloropropane	20.31	10	23.2	0	87.5	50	132	0		
1,2-Dibromoethane	23.82	1	23.2	0	103	80	121	0		
1,2-Dichlorobenzene	21.54	1	23.2	0	92.8	75	125	0		
1,2-Dichloroethane	25.2	1	23.2	0	109	68	127	0		
1,2-Dichloropropane	25.22	1	23.2	0	109	75	125	0		
1,3,5-Trimethylbenzene	23.7	5	23.2	0	102	74	131	0		
1,3-Dichlorobenzene	24.13	1	23.2	0	104	75	124	0		
1,3-Dichloropropane	21.59	1	23.2	0	93.1	73	126	0		
1,4-Dichlorobenzene	23.91	1	23.2	0	103	74	123	0		
2,2-Dichloropropane	23.86	1	23.2	0	103	69	137	0		
2-Butanone	24.07	15	23.2	0	104	60	135	0		
2-Chloroethylvinylether	19.46	15	23.2	0	83.9	50	150	0		
2-Chlorotoluene	21.99	1	23.2	0	94.8	73	126	0		
2-Hexanone	23.84	15	23.2	0	103	50	150	0		
4-Chlorotoluene	22.05	1	23.2	0	95	74	128	0		
4-Methyl-2-pentanone	21.04	15	23.2	0	90.7	60	135	0		
Acetone	25.06	15	23.2	0	108	40	135	0		
Benzene	26	1	23.2	0	112	80	120	0		
Bromobenzene	22.98	1	23.2	0	99.1	76	124	0		
Bromochloromethane	25.16	1	23.2	0	108	65	129	0		
Bromodichloromethane	25.13	1	23.2	0	108	76	121	0		
Bromoform	24.78	1	23.2	0	107	69	128	0		
Bromomethane	23.22	1	23.2	0	100	53	141	0		
Carbon disulfide	25.19	15	23.2	0	109	50	150	0		
Carbon tetrachloride	24.28	1	23.2	0	105	66	138	0		
Chlorobenzene	22.77	1	23.2	0	98.1	81	122	0		
Chloroethane	23.95	1	23.2	0	103	58	133	0		
Chloroform	24.93	1	23.2	0	107	69	128	0		
Chloromethane	26.54	1	23.2	0	114	56	131	0		
cis-1,2-Dichloroethene	26.19	1	23.2	0	113	72	126	0		
cis-1,3-Dichloropropene	23.28	1	23.2	0	100	69	131	0		
Dibromochloromethane	22.88	1	23.2	0	98.6	66	133	0		
Dibromomethane	24.46	1	23.2	0	105	76	125	0		
Dichlorodifluoromethane	23.34	1	23.2	0	101	53	153	0		
Ethylbenzene	25.36	1	23.2	0	109	80	120	0		
Hexachlorobutadiene	24	3	23.2	0	103	67	131	0		
Iodomethane	27.03	15	23.2	0	117	50	150	0		
Isopropylbenzene	21.35	1	23.2	0	92	75	127	0		
m,p-Xylene	50.6	2	46.4	0	109	80	120	0		

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **LCS-18332**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/14/2005 11:09:00 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	25.26	1	23.2	0	109	68	130	0		
Methylene chloride	25.81	2.5	23.2	0	111	63	137	0		
n-Butylbenzene	21.2	1	23.2	0	91.4	69	137	0		
n-Propylbenzene	23.06	1	23.2	0	99.4	72	129	0		
Naphthalene	21.64	15	23.2	0	93.3	54	138	0		
o-Xylene	21.24	1	23.2	0	91.6	80	120	0		
p-Isopropyltoluene	21.42	1	23.2	0	92.3	73	130	0		
sec-Butylbenzene	22	1	23.2	0	94.8	72	127	0		
Styrene	22.09	1	23.2	0	95.2	65	134	0		
tert-Butylbenzene	21.81	1	23.2	0	94	70	129	0		
Tetrachloroethene	22.75	2	23.2	0	98.1	66	128	0		
Toluene	25.16	2	23.2	0	108	80	120	0		
trans-1,2-Dichloroethene	25.2	1	23.2	0	109	63	137	0		
trans-1,3-Dichloropropene	24.39	1	23.2	0	105	59	135	0		
Trichloroethene	24.38	2	23.2	0	105	70	127	0		
Trichlorofluoromethane	25.19	1	23.2	0	109	57	129	0		
Vinyl chloride	25.49	1	23.2	0	110	50	134	0		
Surr: 1,2-Dichloroethane-d4	53.04	0	50	0	106	72	119	0		
Surr: 4-Bromofluorobenzene	48.81	0	50	0	97.6	76	119	0		
Surr: Dibromofluoromethane	52.67	0	50	0	105	85	115	0		
Surr: Toluene-d8	47.83	0	50	0	95.7	81	120	0		

Sample ID **0502068-05A MS**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 9:41:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.79	1	23.2	0	93.9	81	129	0		
1,1,1-Trichloroethane	24.48	1	23.2	0	106	67	132	0		
1,1,2,2-Tetrachloroethane	21.73	1	23.2	0	93.7	63	128	0		
1,1,2-Trichloroethane	23.39	1	23.2	0	101	75	125	0		
1,1-Dichloroethane	24	1	23.2	0	103	69	133	0		
1,1-Dichloroethene	24.78	1	23.2	0	107	68	130	0		
1,1-Dichloropropene	23.47	1	23.2	0	101	73	132	0		
1,2,3-Trichlorobenzene	22.98	5	23.2	0	99.1	67	137	0		
1,2,3-Trichloropropane	22.81	1	23.2	0	98.3	73	124	0		
1,2,4-Trichlorobenzene	24.72	5	23.2	0	107	66	134	0		
1,2,4-Trimethylbenzene	28.25	5	23.2	3.58	106	74	132	0		
1,2-Dibromo-3-chloropropane	22.15	10	23.2	0	95.5	50	132	0		
1,2-Dibromoethane	21.53	1	23.2	0	92.8	80	121	0		
1,2-Dichlorobenzene	21.34	1	23.2	0	92	75	125	0		
1,2-Dichloroethane	24.14	1	23.2	0	104	68	127	0		
1,2-Dichloropropane	24.63	1	23.2	0	106	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MS**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MS**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 9:41:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	25.54	5	23.2	0	110	74	131	0		
1,3-Dichlorobenzene	23.67	1	23.2	0	102	75	124	0		
1,3-Dichloropropane	20.16	1	23.2	0	86.9	73	126	0		
1,4-Dichlorobenzene	23.23	1	23.2	0	100	74	123	0		
2,2-Dichloropropane	26.65	1	23.2	0	115	69	137	0		
2-Butanone	24.18	15	23.2	0	104	60	135	0		
2-Chlorotoluene	22.35	1	23.2	0	96.3	73	126	0		
2-Hexanone	24.62	15	23.2	0	106	50	150	0		
4-Chlorotoluene	22.26	1	23.2	1.3	90.3	74	128	0		
4-Methyl-2-pentanone	21.9	15	23.2	0	94.4	60	135	0		
Acetone	28.2	15	23.2	0	122	40	135	0		
Benzene	25.51	1	23.2	0.49	108	80	120	0		
Bromobenzene	21.85	1	23.2	0	94.2	76	124	0		
Bromochloromethane	23.51	1	23.2	0	101	65	129	0		
Bromodichloromethane	23.87	1	23.2	0	103	76	121	0		
Bromoform	21.68	1	23.2	0	93.4	69	128	0		
Bromomethane	20.94	1	23.2	0	90.3	53	141	0		
Carbon disulfide	26.01	15	23.2	0	112	50	150	0		
Carbon tetrachloride	23.7	1	23.2	0	102	66	138	0		
Chlorobenzene	21.04	1	23.2	0	90.7	81	122	0		
Chloroethane	26.27	1	23.2	0	113	58	133	0		
Chloroform	24.13	1	23.2	0	104	69	128	0		
Chloromethane	24.33	1	23.2	0	105	56	131	0		
cis-1,2-Dichloroethene	28.12	1	23.2	2.4	111	72	126	0		
cis-1,3-Dichloropropene	19.5	1	23.2	0	84.1	69	131	0		
Dibromochloromethane	20.88	1	23.2	0	90	66	133	0		
Dibromomethane	23.86	1	23.2	0	103	76	125	0		
Dichlorodifluoromethane	27.55	1	23.2	0	119	53	153	0		
Ethylbenzene	24.91	1	23.2	1.33	102	80	120	0		
Hexachlorobutadiene	27.1	3	23.2	0	117	67	131	0		
Iodomethane	29.27	15	23.2	0	126	50	150	0		
Isopropylbenzene	20.8	1	23.2	2.19	80.2	75	127	0		
m,p-Xylene	51.65	2	46.4	0	111	80	120	0		
Methyl tert-butyl ether	26.6	1	23.2	0	115	68	130	0		
Methylene chloride	26.01	2.5	23.2	0	112	63	137	0		
n-Butylbenzene	24.11	1	23.2	0	104	69	137	0		
n-Propylbenzene	23.94	1	23.2	0.62	101	72	129	0		
Naphthalene	48.61	15	23.2	22.56	112	54	138	0		
o-Xylene	23.17	1	23.2	3.33	85.5	80	120	0		
p-Isopropyltoluene	22.99	1	23.2	2.4	88.8	73	130	0		
sec-Butylbenzene	22.45	1	23.2	0	96.8	72	127	0		
Styrene	20.74	1	23.2	0	89.4	65	134	0		

Qualifiers:
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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **0502068-05A MS**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 9:41:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
tert-Butylbenzene	21.98	1	23.2	0	94.7	70	129	0		
Tetrachloroethene	21.24	2	23.2	0	91.6	66	128	0		
Toluene	27.05	2	23.2	1.14	112	80	120	0		
trans-1,2-Dichloroethene	24.97	1	23.2	0	108	63	137	0		
trans-1,3-Dichloropropene	23.14	1	23.2	0	99.7	59	135	0		
Trichloroethene	23.8	2	23.2	0	103	70	127	0		
Trichlorofluoromethane	26.56	1	23.2	0	114	57	129	0		
Vinyl chloride	26.69	1	23.2	0	115	50	134	0		
Surr: 1,2-Dichloroethane-d4	53.29	0	50	0	107	72	119	0		
Surr: 4-Bromofluorobenzene	50.26	0	50	0	101	76	119	0		
Surr: Dibromofluoromethane	52.64	0	50	0	105	85	115	0		
Surr: Toluene-d8	46.21	0	50	0	92.4	81	120	0		

Sample ID **0502068-05A MSD**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 10:10:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.13	1	23.2	0	95.4	81	129	1.55	20	
1,1,1-Trichloroethane	25.82	1	23.2	0	111	67	132	5.33	20	
1,1,2,2-Tetrachloroethane	22.68	1	23.2	0	97.8	63	128	4.28	20	
1,1,2-Trichloroethane	24.54	1	23.2	0	106	75	125	4.80	20	
1,1-Dichloroethane	25.64	1	23.2	0	111	69	133	6.61	20	
1,1-Dichloroethene	26.18	1	23.2	0	113	68	130	5.49	20	
1,1-Dichloropropene	25.19	1	23.2	0	109	73	132	7.07	20	
1,2,3-Trichlorobenzene	24.3	5	23.2	0	105	67	137	5.58	20	
1,2,3-Trichloropropane	23.76	1	23.2	0	102	73	124	4.08	20	
1,2,4-Trichlorobenzene	25.64	5	23.2	0	111	66	134	3.65	20	
1,2,4-Trimethylbenzene	29.23	5	23.2	3.58	111	74	132	3.41	20	
1,2-Dibromo-3-chloropropane	24.42	10	23.2	0	105	50	132	9.75	20	
1,2-Dibromoethane	22.84	1	23.2	0	98.4	80	121	5.90	20	
1,2-Dichlorobenzene	21.67	1	23.2	0	93.4	75	125	1.53	20	
1,2-Dichloroethane	26.24	1	23.2	0	113	68	127	8.34	20	
1,2-Dichloropropane	26.65	1	23.2	0	115	75	125	7.88	20	
1,3,5-Trimethylbenzene	26.78	5	23.2	0	115	74	131	4.74	20	
1,3-Dichlorobenzene	24.64	1	23.2	0	106	75	124	4.02	20	
1,3-Dichloropropane	21.38	1	23.2	0	92.2	73	126	5.87	20	
1,4-Dichlorobenzene	23.59	1	23.2	0	102	74	123	1.54	20	
2,2-Dichloropropane	28.55	1	23.2	0	123	69	137	6.88	20	
2-Butanone	26.67	15	23.2	0	115	60	135	9.79	20	
2-Chlorotoluene	23.72	1	23.2	0	102	73	126	5.95	20	
2-Hexanone	27.43	15	23.2	0	118	50	150	10.8	20	
4-Chlorotoluene	23.33	1	23.2	1.3	95	74	128	4.69	20	

Qualifiers:
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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	0502068-05A MSD	Batch ID:	18332	TestNo:	SW8260B	Units:	µg/L
SampType	MSD	Run ID:	GCMS5_050214B	Analysis Date:	2/15/2005 10:10:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	23.61	15	23.2	0	102	60	135	7.51	20	
Acetone	30.51	15	23.2	0	132	40	135	7.87	20	
Benzene	27.41	1	23.2	0.49	116	80	120	7.18	20	
Bromobenzene	22.7	1	23.2	0	97.8	76	124	3.82	20	
Bromochloromethane	24.34	1	23.2	0	105	65	129	3.47	20	
Bromodichloromethane	25.26	1	23.2	0	109	76	121	5.66	20	
Bromoform	21.87	1	23.2	0	94.3	69	128	0.873	20	
Bromomethane	22.88	1	23.2	0	98.6	53	141	8.85	20	
Carbon disulfide	27.31	15	23.2	0	118	50	150	4.88	20	
Carbon tetrachloride	25.26	1	23.2	0	109	66	138	6.37	20	
Chlorobenzene	21.25	1	23.2	0	91.6	81	122	0.993	20	
Chloroethane	28.6	1	23.2	0	123	58	133	8.49	20	
Chloroform	25.58	1	23.2	0	110	69	128	5.83	20	
Chloromethane	27.22	1	23.2	0	117	56	131	11.2	20	
cis-1,2-Dichloroethene	30.31	1	23.2	2.4	120	72	126	7.50	20	
cis-1,3-Dichloropropene	21.36	1	23.2	0	92.1	69	131	9.10	20	
Dibromochloromethane	21.82	1	23.2	0	94.1	66	133	4.40	20	
Dibromomethane	24.61	1	23.2	0	106	76	125	3.09	20	
Dichlorodifluoromethane	29.8	1	23.2	0	128	53	153	7.85	20	
Ethylbenzene	25.26	1	23.2	1.33	103	80	120	1.40	20	
Hexachlorobutadiene	27.94	3	23.2	0	120	67	131	3.05	20	
Iodomethane	31.92	15	23.2	0	138	50	150	8.66	20	
Isopropylbenzene	22.37	1	23.2	2.19	87	75	127	7.27	20	
m,p-Xylene	53.17	2	46.4	0	115	80	120	2.90	20	
Methyl tert-butyl ether	29.31	1	23.2	0	126	68	130	9.69	20	
Methylene chloride	27.67	2.5	23.2	0	119	63	137	6.18	20	
n-Butylbenzene	25.09	1	23.2	0	108	69	137	3.98	20	
n-Propylbenzene	24.83	1	23.2	0.62	104	72	129	3.65	20	
Naphthalene	51.6	15	23.2	22.56	125	54	138	5.97	20	
o-Xylene	24.56	1	23.2	3.33	91.5	80	120	5.82	20	
p-Isopropyltoluene	23.82	1	23.2	2.4	92.3	73	130	3.55	20	
sec-Butylbenzene	23.14	1	23.2	0	99.7	72	127	3.03	20	
Styrene	21.66	1	23.2	0	93.4	65	134	4.34	20	
tert-Butylbenzene	22.84	1	23.2	0	98.4	70	129	3.84	20	
Tetrachloroethene	21.47	2	23.2	0	92.5	66	128	1.08	20	
Toluene	27.73	2	23.2	1.14	115	80	120	2.48	20	
trans-1,2-Dichloroethene	26.84	1	23.2	0	116	63	137	7.22	20	
trans-1,3-Dichloropropene	24.88	1	23.2	0	107	59	135	7.25	20	
Trichloroethene	24.93	2	23.2	0	107	70	127	4.64	20	
Trichlorofluoromethane	27.72	1	23.2	0	119	57	129	4.27	20	
Vinyl chloride	28.38	1	23.2	0	122	50	134	6.14	20	
Surr: 1,2-Dichloroethane-d4	54.52	0	50	0	109	72	119	0	0	

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ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MSD**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 10:10:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	52.16	0	50	0	104	76	119	0	0	
Surr: Dibromofluoromethane	53.08	0	50	0	106	85	115	0	0	
Surr: Toluene-d8	45.45	0	50	0	90.9	81	120	0	0	

Sample ID	**ICV-050214B**	Batch ID:	**R21020**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 10:40:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	44.2	1	46.4	0	95.3	80	120	0		
1,1,1-Trichloroethane	47.64	1	46.4	0	103	80	120	0		
1,1,2,2-Tetrachloroethane	45.07	1	46.4	0	97.1	80	120	0		
1,1,2-Trichloroethane	49.67	1	46.4	0	107	80	120	0		
1,1-Dichloroethane	47.87	1	46.4	0	103	80	120	0		
1,1-Dichloroethene	46.67	1	46.4	0	101	80	120	0		
1,1-Dichloropropene	46.77	1	46.4	0	101	80	120	0		
1,2,3-Trichlorobenzene	40.51	5	46.4	0	87.3	80	120	0		
1,2,3-Trichloropropane	45.84	1	46.4	0	98.8	80	120	0		
1,2,4-Trichlorobenzene	40.08	5	46.4	0	86.4	80	120	0		
1,2,4-Trimethylbenzene	44.06	5	46.4	0	95	80	120	0		
1,2-Dibromo-3-chloropropane	37.79	10	46.4	0	81.4	80	120	0		
1,2-Dibromoethane	47.78	1	46.4	0	103	80	120	0		
1,2-Dichlorobenzene	42.41	1	46.4	0	91.4	80	120	0		
1,2-Dichloroethane	48.6	1	46.4	0	105	80	120	0		
1,2-Dichloropropane	51.03	1	46.4	0	110	80	120	0		
1,3,5-Trimethylbenzene	46.55	5	46.4	0	100	80	120	0		
1,3-Dichlorobenzene	48.04	1	46.4	0	104	80	120	0		
1,3-Dichloropropane	42.37	1	46.4	0	91.3	80	120	0		
1,4-Dichlorobenzene	45.84	1	46.4	0	98.8	80	120	0		
2,2-Dichloropropane	47.33	1	46.4	0	102	80	120	0		
2-Butanone	47.73	15	46.4	0	103	80	120	0		
2-Chloroethylvinylether	41.91	15	46.4	0	90.3	80	120	0		
2-Chlorotoluene	42.62	1	46.4	0	91.9	80	120	0		
2-Hexanone	46.73	15	46.4	0	101	80	120	0		
4-Chlorotoluene	43.39	1	46.4	0	93.5	80	120	0		
4-Methyl-2-pentanone	43	15	46.4	0	92.7	80	120	0		
Acetone	46.52	15	46.4	0	100	80	120	0		
Benzene	51.55	1	46.4	0	111	80	120	0		
Bromobenzene	46.02	1	46.4	0	99.2	80	120	0		
Bromochloromethane	50.83	1	46.4	0	110	80	120	0		
Bromodichloromethane	48.47	1	46.4	0	104	80	120	0		
Bromoform	49.1	1	46.4	0	106	80	120	0		
Bromomethane	38.78	1	46.4	0	83.6	80	120	0		

Qualifiers:
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**ICV-050214B**	Batch ID:	**R21020**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 10:40:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Carbon disulfide	45.89	15	46.4	0	98.9	80	120	0		
Carbon tetrachloride	47.08	1	46.4	0	101	80	120	0		
Chlorobenzene	42.57	1	46.4	0	91.7	80	120	0		
Chloroethane	42.02	1	46.4	0	90.6	80	120	0		
Chloroform	47.58	1	46.4	0	103	80	120	0		
Chloromethane	50.55	1	46.4	0	109	80	120	0		
cis-1,2-Dichloroethene	53.05	1	46.4	0	114	80	120	0		
cis-1,3-Dichloropropene	46.82	1	46.4	0	101	80	120	0		
Dibromochloromethane	46.11	1	46.4	0	99.4	80	120	0		
Dibromomethane	48.47	1	46.4	0	104	80	120	0		
Dichlorodifluoromethane	44.13	1	46.4	0	95.1	80	120	0		
Ethylbenzene	47.76	1	46.4	0	103	80	120	0		
Hexachlorobutadiene	47.88	3	46.4	0	103	80	120	0		
Iodomethane	57.01	15	46.4	0	123	80	120	0		S
Isopropylbenzene	43.43	1	46.4	0	93.6	80	120	0		
m,p-Xylene	101	2	92.8	0	109	80	120	0		
Methyl tert-butyl ether	47.23	1	46.4	0	102	80	120	0		
Methylene chloride	48.15	2.5	46.4	0	104	80	120	0		
n-Butylbenzene	42.21	1	46.4	0	91	80	120	0		
n-Propylbenzene	45.06	1	46.4	0	97.1	80	120	0		
Naphthalene	43.28	15	46.4	0	93.3	80	120	0		
o-Xylene	43.51	1	46.4	0	93.8	80	120	0		
p-Isopropyltoluene	42.9	1	46.4	0	92.5	80	120	0		
sec-Butylbenzene	43.78	1	46.4	0	94.4	80	120	0		
Styrene	45.07	1	46.4	0	97.1	80	120	0		
tert-Butylbenzene	42.83	1	46.4	0	92.3	80	120	0		
Tetrachloroethene	47.72	2	46.4	0	103	80	120	0		
Toluene	50.99	2	46.4	0	110	80	120	0		
trans-1,2-Dichloroethene	46.56	1	46.4	0	100	80	120	0		
trans-1,3-Dichloropropene	49.02	1	46.4	0	106	80	120	0		
Trichloroethene	50.56	2	46.4	0	109	80	120	0		
Trichlorofluoromethane	45.62	1	46.4	0	98.3	80	120	0		
Vinyl chloride	48.33	1	46.4	0	104	80	120	0		
Surr: 1,2-Dichloroethane-d4	51.97	0	50	0	104	72	119	0		
Surr: 4-Bromofluorobenzene	47.83	0	50	0	95.7	76	119	0		
Surr: Dibromofluoromethane	52.13	0	50	0	104	85	115	0		
Surr: Toluene-d8	47.87	0	50	0	95.7	81	120	0		

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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID	MB-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	MBLK	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID	LCS-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCS	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002729	0.001	0.00273	0	100	79	117	0		
Ethane	0.005321	0.002	0.0055	0	96.7	83	120	0		
Ethylene	0.0075	0.003	0.00705	0	106	84	113	0		

Sample ID	LCSD-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCSD	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002631	0.001	0.00273	0	96.4	79	117	3.67	20	
Ethane	0.005321	0.002	0.0055	0	96.7	83	120	0	20	
Ethylene	0.007331	0.003	0.00705	0	104	84	113	2.28	20	

Sample ID	0502061-05B DUP	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	DUP	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.162	0.02	0	0.1961	0	0	0	19.1	20	

Sample ID	0502061-05B DUP	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	DUP	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID	CCV1-050214	Batch ID:	GC5_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	CCV	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000233	0.001	0.000025	0	93.2	80	120	0		
Ethane	0.0000237	0.002	0.000025	0	94.8	80	120	0		
Ethylene	0.0000282	0.003	0.000025	0	113	80	120	0		

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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID	**CCV2-050214**	Batch ID:	**GC5_050214A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC5_050214A**	Analysis Date:	**2/14/2005 11:38:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000251	0.001	0.000025	0	100	80	120	0		
Ethane	0.0000256	0.002	0.000025	0	102	80	120	0		
Ethylene	0.0000272	0.003	0.000025	0	109	80	120	0		

Sample ID	**ICV-050214**	Batch ID:	**GC5_050214A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC5_050214A**	Analysis Date:	**2/14/2005 11:38:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000417	0.001	0.00005	0	83.4	80	120	0		
Ethane	0.0000408	0.002	0.00005	0	81.6	80	120	0		
Ethylene	0.0000508	0.003	0.00005	0	102	80	120	0		

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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050210A

Sample ID	MB-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	MBLK	Run ID:	IC_050210A	Analysis Date:	2/10/2005 10:13:46 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	ND	0.5								
Sulfate	ND	3								

Sample ID	LCS-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	LCS	Run ID:	IC_050210A	Analysis Date:	2/10/2005 10:29:06 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.528	0.5	5	0	111	92	112	0		
Sulfate	32.35	3	30	0	108	90	110	0		

Sample ID	LCSD-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	LCSD	Run ID:	IC_050210A	Analysis Date:	2/10/2005 10:44:26 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.424	0.5	5	0	108	92	112	1.89	20	
Sulfate	31.37	3	30	0	105	90	110	3.06	20	

Sample ID	0502052-01BMS	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050210A	Analysis Date:	2/10/2005 11:45:54 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.42	0.5	5	0	108	92	112	0		
Sulfate	148.4	3	30	116	108	90	110	0		

Sample ID	0502052-01BMSD	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050210A	Analysis Date:	2/10/2005 12:01:15 PM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.472	0.5	5	0	109	92	112	0.960	20	
Sulfate	148.5	3	30	116	108	90	110	0.0708	20	

Sample ID	CCV1-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	CCV	Run ID:	IC_050210A	Analysis Date:	2/10/2005 1:18:02 PM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.445	0.5	5	0	109	90	110	0		
Sulfate	31.38	3	30	0	105	90	110	0		

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CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050210A

Sample ID	**ICV-050210**	Batch ID:	**R20957**	TestNo:	**E300**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**IC_050210A**	Analysis Date:	**2/10/2005 9:56:57 AM**	Prep Date:	**2/10/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	13.57	0.5	12.5	0	109	90	110	0		
Sulfate	77.85	3	75	0	104	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050211B

Sample ID	MB-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	ND	0.005								

Sample ID	LCS-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1009	0.005	0.1185	0	85.1	80	120	0		

Sample ID	LCSD-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1025	0.005	0.1185	0	86.5	80	120	1.56	20	

Sample ID	CCV1-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:26:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2042	0.005	0.237	0	86.2	80	120	0		

Sample ID	ICV-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	ICV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 11:51:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1081	0.005	0.1185	0	91.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050215A

Sample ID	MB-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.1								

Sample ID	LCS-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0984	0.1	0.1	0	98.4	85	115	0		

Sample ID	LCSD-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0894	0.1	0.1	0	89.4	85	115	0	15	

Sample ID	0502068-05CMS	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	7.671	2.5	2.5	5.602	82.8	85	115	0		S

Sample ID	0502068-05CMSD	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	7.746	2.5	2.5	5.602	85.8	85	115	0.976	15	

Sample ID	CCV1-050215	Batch ID:	R21003	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09954	0.1	0.1	0	99.5	85	115	0		

Sample ID	CCV2-050215	Batch ID:	R21003	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1114	0.1	0.1	0	111	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050215A

Sample ID	**CCV3-050215**	Batch ID:	**R21003**	TestNo:	**M3500-Fe**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**UV/VIS_2_050215A**	Analysis Date:	**2/15/2005 9:34:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09991	0.1	0.1	0	99.9	85	115	0		

Sample ID	**ICV-050215**	Batch ID:	**R21003**	TestNo:	**M3500-Fe**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**UV/VIS_2_050215A**	Analysis Date:	**2/15/2005 9:34:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.2013	0.1	0.2	0	101	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: WC_050216A

Sample ID	**LCS-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**LCS**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	51.69	10	50	0	103	74	129	0		

Sample ID	**0502053-07G DUP**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	50.83	10	0	50.86	0	0	0	0.0462	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	50.83	10	0	50.86	0	0	0	0.0462	20	

Sample ID	**0502068-05G DUP**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	38.73	10	0	34.78	0	0	0	10.7	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	38.73	10	0	34.78	0	0	0	10.7	20	

Sample ID	**CCV1-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	5000	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	5000	10	5000	0	100	90	110	0		

Sample ID	**ICV-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	4960	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	4960	10	5000	0	99.2	98	102	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502051
Project: Gulfport

MQL SUMMARY REPORT

TestNo: TX1005	MDL	MQL
Analyte	**mg/Kg**	**mg/Kg**
T/R Hydrocarbons: C6-C12	7	20
T/R Hydrocarbons: >C12-C28	7	20
T/R Hydrocarbons: >C28-C35	7	20
T/R Hydrocarbons: C6-C35	7	20

TestNo: TX1006	MDL	MQL
Analyte	**mg/Kg**	**mg/Kg**
C6-C8 Aliphatics	7	20
>C8-C10 Aliphatics	7	20
>C10-C12 Aliphatics	7	20
>C12-C16 Aliphatics	7	20
>C16-C21 Aliphatics	7	20
>C21-C35 Aliphatics	7	20
C6-C35 Aliphatics	7	20
>C8-C10 Aromatics	7	20
>C10-C12 Aromatics	7	20
>C12-C16 Aromatics	7	20
>C16-C21 Aromatics	7	20
>C21-C35 Aromatics	7	20
>C8-C35 Aromatics	7	20

TestNo: E300	MDL	MQL
Analyte	**mg/L**	**mg/L**
Nitrate-N	0.1	0.5
Sulfate	1	3

TestNo: SW8260B	MDL	MQL
Analyte	**µg/Kg**	**µg/Kg**
1,1,1,2-Tetrachloroethane	1	5
1,1,1-Trichloroethane	1	5
1,1,2,2-Tetrachloroethane	1	5
1,1,2-Trichloroethane	1	5
1,1-Dichloroethane	1	5
1,1-Dichloroethene	1	5
1,1-Dichloropropene	1	5
1,2,3-Trichlorobenzene	1	5
1,2,3-Trichloropropane	1	5
1,2,4-Trichlorobenzene	1	5
1,2,4-Trimethylbenzene	1	5
1,2-Dibromo-3-chloropropane	1	5
1,2-Dibromoethane	1	5
1,2-Dichlorobenzene	1	5
1,2-Dichloroethane	1	5
1,2-Dichloropropane	1	5
1,3,5-Trimethylbenzene	1	5
1,3-Dichlorobenzene	1	5
1,3-Dichloropropane	1	5
1,4-Dichlorobenzene	1	5
2,2-Dichloropropane	1	5
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	1	5
2-Hexanone	5	15
4-Chlorotoluene	1	5
4-Methyl-2-pentanone	5	15
Acetone	15	50
Benzene	1	5
Bromobenzene	1	5
Bromochloromethane	1	5
Bromodichloromethane	1	5
Bromoform	1	5
Bromomethane	1	5
Carbon disulfide	1	5
Carbon tetrachloride	1	5
Chlorobenzene	1	5
Chloroethane	1	5
Chloroform	1	5
Chloromethane	1	5
cis-1,2-Dichloroethene	1	5
cis-1,3-Dichloropropene	1	5
Dibromochloromethane	1	5
Dibromomethane	1	5
Dichlorodifluoromethane	1	5

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Ethylbenzene	1	5
Hexachlorobutadiene	1	5
Iodomethane	1	5
Isopropylbenzene	1	5
m,p-Xylene	1	5
Methyl tert-butyl ether	1	5
Methylene chloride	5	5
n-Butylbenzene	1	5
n-Propylbenzene	1	5
Naphthalene	5	15
o-Xylene	1	5
p-Isopropyltoluene	1	5
sec-Butylbenzene	1	5
Styrene	1	5
tert-Butylbenzene	1	5
Tetrachloroethene	1	5
Toluene	1	5
trans-1,2-Dichloroethene	1	5
trans-1,3-Dichloropropene	1	5
Trichloroethene	1	5
Trichlorofluoromethane	5	15
Vinyl chloride	1	5

Test No: SW8260B	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,1,1,2-Tetrachloroethane	0.2	1
1,1,1-Trichloroethane	0.2	1
1,1,2,2-Tetrachloroethane	0.2	1
1,1,2-Trichloroethane	0.2	1
1,1-Dichloroethane	0.2	1
1,1-Dichloroethene	0.2	1
1,1-Dichloropropene	0.2	1
1,2,3-Trichlorobenzene	1.5	5
1,2,3-Trichloropropane	0.3	1
1,2,4-Trichlorobenzene	1.5	5
1,2,4-Trimethylbenzene	1.5	5
1,2-Dibromo-3-chloropropane	3	10
1,2-Dibromoethane	0.2	1
1,2-Dichlorobenzene	0.3	1
1,2-Dichloroethane	0.3	1
1,2-Dichloropropane	0.2	1
1,3,5-Trimethylbenzene	1.5	5
1,3-Dichlorobenzene	0.3	1
1,3-Dichloropropane	0.2	1
1,4-Dichlorobenzene	0.3	1
2,2-Dichloropropane	0.2	1
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	0.3	1
2-Hexanone	5	15
4-Chlorotoluene	0.3	1
4-Methyl-2-pentanone	5	15
Acetone	5	15
Benzene	0.2	1
Bromobenzene	0.2	1
Bromochloromethane	0.2	1
Bromodichloromethane	0.2	1
Bromoform	0.2	1
Bromomethane	0.3	1
Carbon disulfide	5	15
Carbon tetrachloride	0.2	1
Chlorobenzene	0.2	1
Chloroethane	0.3	1
Chloroform	0.3	1
Chloromethane	0.3	1
cis-1,2-Dichloroethene	0.2	1
cis-1,3-Dichloropropene	0.2	1
Dibromochloromethane	0.2	1
Dibromomethane	0.2	1
Dichlorodifluoromethane	0.2	1
Ethylbenzene	0.3	1

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Hexachlorobutadiene	1	3
Iodomethane	5	15
Isopropylbenzene	0.2	1
m,p-Xylene	0.6	2
Methyl tert-butyl ether	0.3	1
Methylene chloride	2.5	2.5
n-Butylbenzene	0.3	1
n-Propylbenzene	0.3	1
Naphthalene	5	15
o-Xylene	0.3	1
p-Isopropyltoluene	0.3	1
sec-Butylbenzene	0.3	1
Styrene	0.2	1
tert-Butylbenzene	0.3	1
Tetrachloroethene	0.6	2
Toluene	0.6	2
trans-1,2-Dichloroethene	0.2	1
trans-1,3-Dichloropropene	0.2	1
Trichloroethene	0.6	2
Trichlorofluoromethane	0.2	1
Vinyl chloride	0.1	1

TestNo: SW8270C	**MDL**	**MQL**
Analyte	**mg/Kg**	**mg/Kg**
1,2,4-Trichlorobenzene	0.02	0.133
1,2-Dichlorobenzene	0.03	0.133
1,3-Dichlorobenzene	0.05	0.133
1,4-Dichlorobenzene	0.05	0.133
2,4,5-Trichlorophenol	0.07	0.133
2,4,6-Trichlorophenol	0.06	0.133
2,4-Dichlorophenol	0.08	0.133
2,4-Dimethylphenol	0.06	0.133
2,4-Dinitrophenol	0.05	0.66
2,4-Dinitrotoluene	0.06	0.133
2,6-Dinitrotoluene	0.05	0.133
2-Chloronaphthalene	0.04	0.133
2-Chlorophenol	0.07	0.133
2-Methylnaphthalene	0.02	0.133
2-Methylphenol	0.07	0.133
2-Nitroaniline	0.05	0.133
2-Nitrophenol	0.07	0.133
3,3´-Dichlorobenzidine	0.07	0.133
3-Nitroaniline	0.04	0.133
4,6-Dinitro-2-methylphenol	0.08	0.33
4-Bromophenyl phenyl ether	0.03	0.133
4-Chloro-3-methylphenol	0.06	0.133
4-Chloroaniline	0.05	0.33
4-Chlorophenyl phenyl ether	0.03	0.133
4-Methylphenol	0.1	0.133
4-Nitroaniline	0.07	0.133
4-Nitrophenol	0.14	0.66
Acenaphthene	0.04	0.133
Acenaphthylene	0.04	0.133
Aniline	0.04	0.133
Anthracene	0.02	0.133
Benzo[a]anthracene	0.02	0.133
Benzo[a]pyrene	0.03	0.133
Benzo[b]fluoranthene	0.03	0.133
Benzo[g,h,i]perylene	0.06	0.133
Benzo[k]fluoranthene	0.04	0.133
Benzoic acid	0.13	0.66
Benzyl alcohol	0.04	0.33
Bis(2-chloroethoxy)methane	0.05	0.133
Bis(2-chloroethyl)ether	0.07	0.133
Bis(2-chloroisopropyl)ether	0.04	0.133
Bis(2-ethylhexyl)phthalate	0.05	0.133
Butyl benzyl phthalate	0.1	0.33
Carbazole	0.04	0.133
Chrysene	0.03	0.133
Di-n-butyl phthalate	0.1	0.33

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	0.1	0.33
Dibenz[a,h]anthracene	0.05	0.133
Dibenzofuran	0.04	0.133
Diethyl phthalate	0.1	0.33
Dimethyl phthalate	0.1	0.33
Fluoranthene	0.02	0.133
Fluorene	0.03	0.133
Hexachlorobenzene	0.01	0.133
Hexachlorobutadiene	0.03	0.133
Hexachlorocyclopentadiene	0.06	0.33
Hexachloroethane	0.05	0.133
Indeno[1,2,3-cd]pyrene	0.04	0.133
Isophorone	0.04	0.133
N-Nitrosodi-n-propylamine	0.03	0.133
N-Nitrosodiphenylamine	0.05	0.133
Naphthalene	0.04	0.133
Nitrobenzene	0.07	0.133
Pentachlorophenol	0.09	0.133
Phenanthrene	0.03	0.133
Phenol	0.06	0.133
Pyrene	0.02	0.133
Pyridine	0.13	0.66

TestNo: SW8270C	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
1,2,4-Trichlorobenzene	1	4
1,2-Dichlorobenzene	1	4
1,3-Dichlorobenzene	1	4
1,4-Dichlorobenzene	1	4
2,4,5-Trichlorophenol	1	4
2,4,6-Trichlorophenol	1	4
2,4-Dichlorophenol	1	4
2,4-Dimethylphenol	2	4
2,4-Dinitrophenol	1	20
2,4-Dinitrotoluene	1	4
2,6-Dinitrotoluene	1	4
2-Chloronaphthalene	1	4
2-Chlorophenol	1	4
2-Methylnaphthalene	1	4
2-Methylphenol	1	4
2-Nitroaniline	1	4
2-Nitrophenol	2	4
3,3´-Dichlorobenzidine	2	4
3-Nitroaniline	1	4
4,6-Dinitro-2-methylphenol	1	10
4-Bromophenyl phenyl ether	1	4
4-Chloro-3-methylphenol	1	4
4-Chloroaniline	1	10
4-Chlorophenyl phenyl ether	1	4
4-Methylphenol	1	4
4-Nitroaniline	2	4
4-Nitrophenol	2	20
Acenaphthene	1	4
Acenaphthylene	1	4
Aniline	1	4
Anthracene	1	4
Benzo[a]anthracene	1	4
Benzo[a]pyrene	1	4
Benzo[b]fluoranthene	1	4
Benzo[g,h,i]perylene	2	4
Benzo[k]fluoranthene	1	4
Benzoic acid	4	10
Benzyl alcohol	1	10
Bis(2-chloroethoxy)methane	1	4
Bis(2-chloroethyl)ether	1	4
Bis(2-chloroisopropyl)ether	1	4
Bis(2-ethylhexyl)phthalate	2	4
Butyl benzyl phthalate	4	10
Carbazole	1	4
Chrysene	1	4
Di-n-butyl phthalate	4	10

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	4	10
Dibenz[a,h]anthracene	1	4
Dibenzofuran	1	4
Diethyl phthalate	4	10
Dimethyl phthalate	4	10
Fluoranthene	1	4
Fluorene	1	4
Hexachlorobenzene	1	4
Hexachlorobutadiene	1	4
Hexachlorocyclopentadiene	2	10
Hexachloroethane	1	4
Indeno[1,2,3-cd]pyrene	1	4
Isophorone	1	4
N-Nitrosodi-n-propylamine	1	4
N-Nitrosodiphenylamine	1	4
Naphthalene	1	4
Nitrobenzene	2	4
Pentachlorophenol	2	4
Phenanthrene	1	4
Phenol	2	4
Pyrene	1	4
Pyridine	4	10

TestNo: RSKERR	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Methane	0.0003	0.001
Ethane	0.0006	0.002
Ethylene	0.001	0.003

TestNo: M8015D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
TPH-DRO C10-C28	0.6	1
TPH-ORO >C28-C35	0.6	1

TestNo: M3500-Fe	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Iron, Ferrous	0.05	0.1

TestNo: SW6020	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
Iron	50	100
Manganese	3	10

TestNo: M8015V	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Gasoline Range Organics	0.06	0.2

TestNo: E376.2	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Sulfide	0.005	0.005

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

DHL ANALYTICAL

February 18, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0502053

Dear Lydia Cumming:

DHL Analytical received 9 samples on 2/10/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

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This report for Battelle: Gulfport (DHL Work Order 0502053) contains the following information:

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February 18, 2005

Approved: _____
John DuPont

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www.dhlanalytical.com

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 21664

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE
PHONE: 614 424 7775 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMING
ADDITIONAL REPORT COPIES TO: LABORATORY DATA CONSULTANTS

DATE: 2/9/05 PAGE 1 OF 5
PO #: DHL WORK ORDER #: QUOTE 702
PROJECT LOCATION OR NAME: NCBC GULFPORT 0502053
CLIENT PROJECT #: G486003 COLLECTOR: LC

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No
Please call

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION HCl	HNO_3	H_2SO_4	NaOH	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST X	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY X	METHANE, ETHANE, ETHENE	NITRATE, SULFATE	SULFIDE	FIELD NOTES
GPT-6-13	01	2-9-05	9:00	AQ	VOA	3	X				X						X																
"		"	"	"	Amber	2					X	X						X															
"		"	"	"	plastic	1		X			X												X										Filtered Mn + Fe
"		"	"	"	Amber	1	X				X			X																			TPH DRO
"		"	"	"	VOA	3	X				X			X																			TPH GRO (HOLD ONE FOR FRAC ANALYSIS)
"		"	"	"	VOA	3					X	X																	X				
"		"	"	"	plastic	1					X	X															X			X			
"		"	"	"	plastic	1			X		X																				X		
"		"	"	"	VOAs	2					X	X											X										Fe, NOT FILTERED
GPT-6-10	02	2-9-05	10:20	AQ	VOA	3	X				X						X																
"		"	"	"	Amber	2					X	X						X															
"		"	"	"	plastic	1		X			X												X										Filtered Mn + Fe
"		"	"	"	Amber	1	X				X			X																			TPH-DRO
"		"	"	"	VOA	5	X				X			X																			TPH-GRO (HOLD ONE FOR FRAC ANALYSIS)
"		"	"	"	VOA	3					X																		X				
TOTAL																																	

RELINQUISHED BY: (Signature) DATE/TIME 2/9/05 17:30 RECEIVED BY: (Signature) FX
RELINQUISHED BY: (Signature) DATE/TIME FX 2-10-5 9:30 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☑
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 5.2°C THERM #: 42
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

NITRATE HAS SHORT HOLD TIME

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 21665

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 5505 KING AVE
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMING
ADDITIONAL REPORT COPIES TO: LABORATORY DATA CONSULTANTS

DATE: 2/9/05 PAGE 2 OF 5
PO #: DHL WORK ORDER #: QUOTE 702
PROJECT LOCATION OR NAME: NCDC FULLFORT 05/2053
CLIENT PROJECT #: G486003 COLLECTOR: LC

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ 8082 PCBS ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PECHLORATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐ METHANE/ETHANE/ETHENE ☐ NITRATE ☐ SULFATE ☐ SULFIDE ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX	TRPH 418.1	GASOLINE MOD 8015	DIESEL - MOD 8015	VOC 8260	SVOC 8270	PAH 8270	8081 PESTICIDES	8082 PCBS	TCLP - METALS (RCRA)	TCLP - PEST	TOTAL METALS (RCRA)	LEAD - TOTAL	RCI	TDS	pH	HEXAVALENT CHROMIUM	CHLORIDE	METHANE/ETHANE/ETHENE	NITRATE	SULFATE	SULFIDE	FIELD NOTES
GPT-6-10		2.9.05	1020	AQ	Plastic	1				X	X																		X		T			
"		"	"	"	Plastic	1			X	X																						X		
"		"	"	"	VOA	2				X	X											X												Fe, Not Filtered
GPT-6-11	03	2.9.05	1120	AQ	VOA	3	X			X					X																			
"		"	"	"	Amber	2	X			X	X					X																		
"		"	"	"	Plastic	1		X		X												X												Filtered Mn + Fe
"		"	"	"	Amber	1	X			X			X																					TPH-DRO
"		"	"	"	VOA	3	X			X			X																					TPH-GRO HOLD ONE FOR FUTURE ANALYSIS
"		"	"	"	VOA	3				X	X																	X						
"		"	"	"	Plastic	1				X	X																X	X		X				
"		"	"	"	Plastic	1			X	X																						X		
"		"	"	"	VOAs	2				X	X											X												Fe, NOT FILTERED
GPT-6-9	04	2.9.05	1320	AQ	VOA	3	X			X					X																			
		"	"	"	Amber	2	X			X	X					X																		
		"	"	"	Plastic	1		X		X												X												Filtered Mn + Fe
TOTAL																																		

RELINQUISHED BY: (Signature) DATE/TIME 2/9/05 1230 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME Fri 2-10-5 930 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: ____ THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 21666

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMINS
ADDITIONAL REPORT COPIES TO: LABORATORY DATA CONSULTANTS

DATE: 2/9/05 PAGE 3 OF 3
PO #: DHL WORK ORDER #: QUOTE 702
PROJECT LOCATION OR NAME: NCDC GULFPORT 050205-3
CLIENT PROJECT #: G486003 COLLECTOR: LC

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐; TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐; GASOLINE MOD 8015 ☐; DIESEL - MOD 8015 ☐; VOC 8260 ☐; SVOC 8270 ☐ PAH 8270 ☐ HOLOPAH ☐; 8081 PESTICIDES ☐ 8151 HERBICIDES ☐; 8082 PCBS ☐; TCLP - METALS (RCRA) ☐ TCLP VOC ☐; TCLP - PEST ☐ HERB ☐ Semi-VOC ☐; TOTAL METALS (RCRA) ☐ OTHER LIST ☐; LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐; RCI ☐ TOX ☐ FLASHPOINT ☐; TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐; pH ☐ HEXAVALENT CHROMIUM ☐; EXPLOSIVES ☐ PECHLORATE ☐; CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐; METHANE ETHANE ETHENE; NITRATE SULFATE SULFIDE

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	BTEX MTBE	TRPH 418.1 TPH 1005 TPH 1006	GASOLINE MOD 8015	DIESEL - MOD 8015	VOC 8260	SVOC 8270 PAH 8270 HOLOPAH	8081 PESTICIDES 8151 HERBICIDES	8082 PCBS	TCLP - METALS (RCRA) TCLP VOC	TCLP - PEST HERB Semi-VOC	TOTAL METALS (RCRA) OTHER LIST	LEAD - TOTAL DW 200.8 TCLP	RCI TOX FLASHPOINT	TDS TSS % MOISTURE CYANIDE	pH HEXAVALENT CHROMIUM	EXPLOSIVES PECHLORATE	CHLORIDE ANIONS ALKALINITY	METHANE ETHANE ETHENE	NITRATE SULFATE SULFIDE	FIELD NOTES
GPT-6-9		2/9/05	1320	AQ	Amber	1	X			X	X		X																		TPH-DRO
"		"	"	"	VOA	3	X			X			X																		TPH-GRO (HOLD ONE FOR FRC ANALYSIS)
"		"	"	"	VOA	3				X	X																X				
"		"	"	"	Plastic	1				X	X															X		X			
"		"	"	"	Plastic	1			X	X																			X		
"		"	"	"	VOAs	2				X	X										X										FE, Not filtered
GPT-6-PZ4	05	2/9/05	1425	AQ	VOA	3	X			X	X				X																
"		"	"	"	Amber	2				X	X					X															
"		"	"	"	Plastic	1		X		X	X										X										Filtered Mn, Fe
"		"	"	"	Amber	1	X			X	X		X																		TPH-DRO
"		"	"	"	VOA	3	X			X	X		X																		TPH-GRO (HOLD 1 FOR FRC ANALYSIS)
"		"	"	"	VOA	3				X	X																X				
"		"	"	"	Plastic	1				X	X																X	X			
"		"	"	"	Plastic	1				X	X																		X		
"		"	"	"	VOA	2				X	X										X										Fe, Not filtered
TOTAL																															

RELINQUISHED BY: (Signature) DATE/TIME 2/9/05 1730 RECEIVED BY: (Signature) FX
RELINQUISHED BY: (Signature) DATE/TIME FX 2-10-5 930 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: ____ THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 21667

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE
PHONE: 614 424 7775 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMING
ADDITIONAL REPORT COPIES TO: LABORATORY DATA CONSULTANTS

DATE: 2/5/05 PAGE 4 OF 5
PO #: DHL WORK ORDER #: QUOTE 702
PROJECT LOCATION OR NAME: UC BC FULFORT 050205 3
CLIENT PROJECT #: G486003 COLLECTOR: CC.

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐; TRPH 418.1 ☐; TPH 1005 ☐; TPH 1006 ☐; GASOLINE MOD 8015 ☐; DIESEL - MOD 8015 ☐; VOC 8260 ☐; SVOC 8270 ☐; PAH 8270 ☐; HOLDPAH ☐; 8081 PESTICIDES ☐; 8151 HERBICIDES ☐; 8082 PCBS ☐; TCLP - METALS (RCRA) ☐; TCLP VOC ☐; TCLP - PEST ☐; HERB ☐; Semi-VOC ☐; TOTAL METALS (RCRA) ☐; OTHER LIST X; LEAD - TOTAL ☐; DW 200.8 ☐; TCLP ☐; RCI ☐; TOX ☐; FLASHPOINT ☐; TDS ☐; TSS ☐; % MOISTURE ☐; CYANIDE ☐; pH ☐; HEXAVALENT CHROMIUM ☐; EXPLOSIVES ☐; PECHLORATE ☐; CHLORIDE ☐; ANIONS ☐; ALKALINITY X

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST X	LEAD - TOTAL ☐	DW 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	CYANIDE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☐	ANIONS ☐	ALKALINITY X	FIELD NOTES
GPT-6-2	06	2-9-05	1525	AQ	VOAs	3	X			X								X																														
		"	"	"	VOAs	3				X	X																																	X				
		"	"	"	VOAs	3	X			X			X																																				TPH GRO (Hold one for Fax analy)
		"	"	"	VOA	2				X	X																X																					Fe, Not Filtered
		"	"	"	Amber	1	X			X			X																																				TPH-DRO
		"	"	"	Amber	2				X	X								X																														
		"	"	"	plastic	1			X	X																																				X			
		"	"	"	plastic	1		X		X																	X																					Filtered, Fe, Mn
		"	"	"	plastic	1				X	X																																X		X			
GPT-6-1	07	2-9-05	1645	AQ	As above	17	ABOVE						SAME AS FOR GPT-6-2																																			
TRIP BLANK	08	2-9-05	NA	AQ	VOAs	3	X			X								X																															IN SAME COOLER
TRIP BLANK	09	2-9-05	NA	AQ	VOAs	3	X			X								X	(IN SAME COOLER AS GPT-6-1)																													AS GPT-6-1
TOTAL																																																

RELINQUISHED BY: (Signature) DATE/TIME 2/9/05 1730 RECEIVED BY: (Signature) FX
RELINQUISHED BY: (Signature) DATE/TIME FX 2-10-5 930 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: ____ THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
☐ HAND DELIVERED

4/7

500

FedEx Express US Airbill

FedEx Tracking Number 8465 4392 4057

Form ID No. 0215

Recipient's Copy

1 From This portion can be removed for Recipient's records

Date 2·9·05 FedEx Tracking Number 846543924057

Sender's Name LYDIA CUMMING Phone 614 624 7778

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201-2693

2 Your Internal Billing Reference 3171

3 To

Recipient's Name SAMPLE RECEIVING Phone 512 388 8222

Company DHL AMERICAN

Recipient's Address 2300 DOUBLE CREEK DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here

City ROUND ROCK State TX ZIP 78664

8465 4392 4057

0277053415

4a Express Package Service *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] **SATURDAY Delivery** — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight
- [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Acct. No.

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages 3 Total Weight 150 Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339

466

NO POUCH NEEDED.
See back for peel and stick application instructions.

RECIPIENT: PEEL HERE

ALIGN OPEN END OF FEDEX AIRBILL POUCH HERE

DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** Date Received: **2/10/05**

Work Order Number **0502053** Received by MKS

Checklist completed by _____ Signature _____ Date 2-10-5 Reviewed by JD Initials 2/10/05 Date

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon recipt?	Yes ☑	No ☐	NotApplicable ☐

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action Taken: _____

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
Michelle Green – QA Manager
John DuPont – General Manager

Signature

Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Gulfport	Date: 2/18/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0502053
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				R1-01
		2) Were all departures from standard conditions described in an exception report?			✓		
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	✓				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		3) Were calculations checked by a peer or supervisor?	✓				
		4) Were all analyte identifications checked by a peer or supervisor?	✓				
		5) Were sample quantitation limits reported for all analytes not detected?	✓				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		8) If required for the project, TICs reported?			✓		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	✓				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		✓			R4-02
R5	OI	**TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	✓				
		2) Were blanks analyzed at the appropriate frequency?	✓				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		4) Were blank concentrations < MQL?	✓				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS)**					
		1) Were all COCs included in the LCS?	✓				
		2) Was each LCS taken through the entire analytical procedure, (prep and cleanup steps)?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs & RPD recovery within the laboratory QC limits?		✓			R6-01
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	✓				
		2) Were MS/MSD analyzed at the appropriate frequency?	✓				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✓			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?		✓			R7-04
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?			✓		
		2) Were analytical duplicates analyzed at the appropriate frequency?			✓		
		3) Were RPDs or relative standard deviations within the laboratory QC limits?			✓		
R9	OI	**METHOD QUANTITATION LIMITS (MQLS)**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	✓				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		3) Are unadjusted MQLs included in the laboratory data package?	✓				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓		✗		R10-01
		2) Were all necessary corrective actions performed for the reported data?	✓				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Gulfport | Date: 2/18/05

Reviewer Name: Carlos Castro | Laboratory Work Order: 0502053

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		2) Were percent RSDs or correlation coefficient criteria met?	✓				
		3) Was the number of standards recommended in the method used for all analytes?	✓				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		5) Are ICAL data available for all instruments used?	✓				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	✓				
		2) Were percent differences for each analyte within the method-required QC limits?		✓			S2-02
		3) Was the ICAL curve verified for each analyte?	✓				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✓				
S3	O	**MASS SPECTRAL TUNING**					
		1) Was the appropriate compound for the method used for tuning?	✓				
		2) Were ion abundance data within the method-required QC limits?	✓				
S4	O	**INTERNAL STANDARDS (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, & SECTION 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		2) Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**DUAL COLUMN CONFIRMATION**					
		1) Did dual column confirmation results meet the method-required QC?	✓				
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS**					
		1) Were percent recoveries within method QC limits?	✓				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	✓				
S10	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	✓				
S11	OI	**PROFICIENCY TEST REPORTS**					
		1) Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**STANDARDS DOCUMENTATION**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		1) Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	✓				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS (NELAC)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS)**					
		1) Are the laboratory SOPs current and on file for each method performed?	✓				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable. 4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

CLIENT: Battelle
Project: Gulfport
Lab Order: 0502053

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Method SW8260B - Volatile Organics
Method SW8270C - Semivolatile Organics
Method SW6020 - Metals Analysis
Method M8015V - Gasoline Range Organics Analysis
Method M8015D - DRO/ORO Analysis
Method RSKERR - Dissolved Gas Analysis
Method M3500-Fe - Ferrous Iron Analysis
Method E300 - Anions Analysis
Method E310.1 - Alkalinity Analysis
Method E376.2 - Sulfide Analysis

Exception Report R1-01

Samples were received and log-in performed on 2/10/05. A total of 9 samples were received. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For DRO/ORO analysis performed on 2/15/05 the surrogate recoveries for samples GPT-6-9, GPT-6-2 and several QC samples were below control limits for Octacosane. These are flagged accordingly in the QC summary report. No further corrective actions were required and no sample results were adversely affected.

For Gasoline Range Organics analysis performed on 2/16/05 the surrogate recovery for QC sample CCV2 was slightly above control limits for Chlorobenzene. This is flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

Exception Report R6-04

For Semivolatiles analysis performed on 2/15/05 the LCS recovery was out of control limits for Benzoic acid. All samples were below detection limits for this compound. No further corrective actions were required and no sample results were adversely affected.

Exception Report R7-03 & R7-04

For Semivolatiles analysis performed on 2/15/05 the matrix spike and matrix spike duplicate recoveries were out of control limits for a few compounds. In addition, the matrix spike and matrix spike duplicate had the RPD out of control limits for Benzoic acid and Pyridine. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. All samples were below detection limits for these compounds. No further corrective actions were required and no sample results were adversely affected.

For Ferrous Iron analysis performed on 2/15/05 the matrix spike recovery was slightly below control limits. This is flagged accordingly. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for this analyte. No further corrective actions were required and no sample results were adveresely affected.

Exception Report R10-01

For Dissolved Metals and Ferrous Iron analyses by methods SW6020 and M3500-Fe (respectively), the Ferrous Iron results were slightly higher than the dissolved Iron results for samples GPT-6-13 and GPT-6-11. These are within the acceptable variation limits.

Exception Report S2-02

For Volatiles analysis performed on 2/14/05 the ICV was slightly above control limits for Iodomethane. This is flagged accordingly in the QC summary report. No further corrective actions were required and no sample results were adversely affected.

DATA REPORTING

Sample reports include the Sample Quantitation Limit (SQL) and the Reporting Limit (RL) for each analyte. The computer system allows for reporting SQL with 2 significant figures and the RL with 3 significant figures. Because of rounding it may sometimes appear that a "J" flagged result is lower than the SQL if the sample result is very near the SQL.

DHL Analytical

Date: *22-Feb-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0502053

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0502053-01	GPT-6-13		2/9/2005 9:00:00 AM	2/10/2005
0502053-02	GPT-6-10		2/9/2005 10:20:00 AM	2/10/2005
0502053-03	GPT-6-11		2/9/2005 11:20:00 AM	2/10/2005
0502053-04	GPT-6-9		2/9/2005 1:20:00 PM	2/10/2005
0502053-05	GPT-6-P24		2/9/2005 2:25:00 PM	2/10/2005
0502053-06	GPT-6-2		2/9/2005 3:25:00 PM	2/10/2005
0502053-07	GPT-6-1		2/9/2005 4:45:00 PM	2/10/2005
0502053-08	Trip Blank Cooler 6-1		2/9/2005	2/10/2005
0502053-09	Trip Blank Cooler 6-10		2/9/2005	2/10/2005

Lab Order: 0502053
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502053-01A	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-01B	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502053-01C	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-01D	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502053-01E	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502053-01F	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-01G	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-01H	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-01I	GPT-6-13	2/9/2005 9:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-02A	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-02B	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502053-02C	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-02D	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502053-02E	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502053-02F	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-02G	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-02H	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-02I	GPT-6-10	2/9/2005 10:20:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-03A	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-03B	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338

Lab Order: 0502053
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502053-03C	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-03D	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502053-03E	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502053-03F	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-03G	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-03H	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-03I	GPT-6-11	2/9/2005 11:20:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-04A	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-04B	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502053-04C	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-04D	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502053-04E	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502053-04F	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-04G	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-04H	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-04I	GPT-6-9	2/9/2005 1:20:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-05A	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-05B	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502053-05C	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-05D	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A

Lab Order: 0502053
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502053-05E	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502053-05F	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-05G	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-05H	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-05I	GPT-6-P24	2/9/2005 2:25:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-06A	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-06B	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502053-06C	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-06D	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502053-06E	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502053-06F	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-06G	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-06H	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-06I	GPT-6-2	2/9/2005 3:25:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-07A	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-07B	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502053-07C	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502053-07D	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502053-07E	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318

Lab Order: 0502053
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502053-07F	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502053-07G	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	E300	Anions by IC method - Water	2/10/2005	R20957
0502053-07H	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502053-07I	GPT-6-1	2/9/2005 4:45:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502053-08A	Trip Blank Cooler 6-1	2/9/2005	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502053-09A	Trip Blank Cooler 6-10	2/9/2005	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332

Lab Order: 0502053
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502053-01A	GPT-6-13	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 3:00:00 AM	GCMS5_050214B
0502053-01B	GPT-6-13	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 2:18:59 PM	GC4_050216A
0502053-01C	GPT-6-13	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-13	Aqueous	M3500-FE	Ferrous Iron	18336	10	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-01D	GPT-6-13	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502053-01E	GPT-6-13	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 3:30:00 PM	ICP-MS_050214A
0502053-01F	GPT-6-13	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 12:14:00 PM	UV/VIS_2_050211B
0502053-01G	GPT-6-13	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-13	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 12:32:02 PM	IC_050210A
0502053-01H	GPT-6-13	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 7:07:00 PM	GCMS3_050215A
0502053-01I	GPT-6-13	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/14/2005 4:43:49 PM	GC15_050214A
0502053-02A	GPT-6-10	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 3:29:00 AM	GCMS5_050214B
0502053-02B	GPT-6-10	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 2:40:23 PM	GC4_050216A
0502053-02C	GPT-6-10	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-02D	GPT-6-10	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502053-02E	GPT-6-10	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 4:10:00 PM	ICP-MS_050214A
0502053-02F	GPT-6-10	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 12:15:00 PM	UV/VIS_2_050211B
0502053-02G	GPT-6-10	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-10	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 12:47:21 PM	IC_050210A
0502053-02H	GPT-6-10	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 7:45:00 PM	GCMS3_050215A
0502053-02I	GPT-6-10	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/14/2005 5:09:45 PM	GC15_050214A
0502053-03A	GPT-6-11	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 3:58:00 AM	GCMS5_050214B
0502053-03B	GPT-6-11	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 3:01:41 PM	GC4_050216A

Lab Order: 0502053
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502053-03C	GPT-6-11	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-03D	GPT-6-11	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502053-03E	GPT-6-11	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 4:14:00 PM	ICP-MS_050214A
0502053-03F	GPT-6-11	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 12:15:00 PM	UV/VIS_2_050211B
0502053-03G	GPT-6-11	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-11	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 1:02:40 PM	IC_050210A
0502053-03H	GPT-6-11	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 8:22:00 PM	GCMS3_050215A
0502053-03I	GPT-6-11	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 10:17:04 AM	GC15_050215A
0502053-04A	GPT-6-9	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 4:27:00 AM	GCMS5_050214B
0502053-04B	GPT-6-9	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 3:22:58 PM	GC4_050216A
0502053-04C	GPT-6-9	Aqueous	M3500-FE	Ferrous Iron	18336	10	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-9	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-04D	GPT-6-9	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502053-04E	GPT-6-9	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 4:18:00 PM	ICP-MS_050214A
0502053-04F	GPT-6-9	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 12:15:00 PM	UV/VIS_2_050211B
0502053-04G	GPT-6-9	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-9	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 1:35:35 PM	IC_050210A
0502053-04H	GPT-6-9	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 8:59:00 PM	GCMS3_050215A
0502053-04I	GPT-6-9	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 10:17:04 AM	GC15_050215A
0502053-05A	GPT-6-P24	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 4:56:00 AM	GCMS5_050214B
0502053-05B	GPT-6-P24	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 5:05:35 PM	GC4_050216A
0502053-05C	GPT-6-P24	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-05D	GPT-6-P24	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A

Lab Order: 0502053
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502053-05E	GPT-6-P24	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 4:22:00 PM	ICP-MS_050214A
0502053-05F	GPT-6-P24	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 12:26:00 PM	UV/VIS_2_050211B
0502053-05G	GPT-6-P24	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-P24	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 1:50:55 PM	IC_050210A
0502053-05H	GPT-6-P24	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 9:37:00 PM	GCMS3_050215A
0502053-05I	GPT-6-P24	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 10:42:11 AM	GC15_050215A
0502053-06A	GPT-6-2	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 5:24:00 AM	GCMS5_050214B
0502053-06B	GPT-6-2	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 5:26:54 PM	GC4_050216A
0502053-06C	GPT-6-2	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-06D	GPT-6-2	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502053-06E	GPT-6-2	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 4:26:00 PM	ICP-MS_050214A
0502053-06F	GPT-6-2	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 1:33:00 PM	UV/VIS_2_050211B
0502053-06G	GPT-6-2	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-2	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 2:06:14 PM	IC_050210A
0502053-06H	GPT-6-2	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 10:14:00 PM	GCMS3_050215A
0502053-06I	GPT-6-2	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 10:42:11 AM	GC15_050215A
0502053-07A	GPT-6-1	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 5:53:00 AM	GCMS5_050214B
0502053-07B	GPT-6-1	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 5:48:06 PM	GC4_050216A
0502053-07C	GPT-6-1	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-1	Aqueous	M3500-FE	Ferrous Iron	18336	25	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502053-07D	GPT-6-1	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502053-07E	GPT-6-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 4:30:00 PM	ICP-MS_050214A
	GPT-6-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	5	2/14/2005 5:16:00 PM	ICP-MS2_050214A

Lab Order: 0502053
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502053-07F	GPT-6-1	Aqueous	E376.2	Sulfides-Aqueous	18320	10	2/11/2005 1:41:00 PM	UV/VIS_2_050211B
0502053-07G	GPT-6-1	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-1	Aqueous	E300	Anions by IC method - Water	R20957	1	2/10/2005 2:21:36 PM	IC_050210A
0502053-07H	GPT-6-1	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/16/2005 8:13:00 AM	GCMS3_050215A
0502053-07I	GPT-6-1	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 11:09:35 AM	GC15_050215A
0502053-08A	Trip Blank Cooler 6-1	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 1:33:00 AM	GCMS5_050214B
0502053-09A	Trip Blank Cooler 6-10	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 1:04:00 AM	GCMS5_050214B

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0502053-01
Project No:	G486003	**Collection Date:**	2/9/2005 9:00:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/10/2005 12:32:02 PM
Sulfate	19.0	1.0	3.00		mg/L	1	2/10/2005 12:32:02 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:00:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:00:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:00:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 3:00:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:00:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0502053-01
Project No:	G486003	**Collection Date:**	2/9/2005 9:00:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 3:00:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 3:00:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 3:00:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 3:00:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:00:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 3:00:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 3:00:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 3:00:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:00:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 3:00:00 AM
Surr: 1,2-Dichloroethane-d4	98.9	0	72-119		%REC	1	2/15/2005 3:00:00 AM
Surr: 4-Bromofluorobenzene	96.4	0	76-119		%REC	1	2/15/2005 3:00:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0502053-01
Project No:	G486003	**Collection Date:**	2/9/2005 9:00:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	2/15/2005 3:00:00 AM
Surr: Toluene-d8	98.8	0	81-120		%REC	1	2/15/2005 3:00:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 7:07:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 7:07:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0502053-01
Project No:	G486003	**Collection Date:**	2/9/2005 9:00:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:07:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 7:07:00 PM
Surr: 2,4,6-Tribromophenol	102	0	42-124		%REC	1	2/15/2005 7:07:00 PM
Surr: 2-Fluorobiphenyl	93.8	0	48-120		%REC	1	2/15/2005 7:07:00 PM
Surr: 2-Fluorophenol	48.0	0	20-120		%REC	1	2/15/2005 7:07:00 PM
Surr: 4-Terphenyl-d14	92.5	0	51-135		%REC	1	2/15/2005 7:07:00 PM
Surr: Nitrobenzene-d5	87.5	0	41-120		%REC	1	2/15/2005 7:07:00 PM
Surr: Phenol-d6	30.2	0	20-120		%REC	1	2/15/2005 7:07:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0502053-01
Project No:	G486003	**Collection Date:**	2/9/2005 9:00:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0881	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/14/2005 4:43:49 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/14/2005 4:43:49 PM
Surr: o-Terphenyl	88.4	0	64-132		%REC	1	2/14/2005 4:43:49 PM
Surr: Octacosane	56.5	0	26-152		%REC	1	2/14/2005 4:43:49 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	0.96	0.50	1.00	J	mg/L	10	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	887	50	100		µg/L	1	2/14/2005 3:30:00 PM
Manganese	28.4	3.0	10.0		µg/L	1	2/14/2005 3:30:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 2:18:59 PM
Surr: Chlorobenzene	108	0	74-138		%REC	1	2/16/2005 2:18:59 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0811	0.0050	0.00500		mg/L	1	2/11/2005 12:14:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0502053-02
Project No:	G486003	**Collection Date:**	2/9/2005 10:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/10/2005 12:47:21 PM
Sulfate	17.5	1.0	3.00		mg/L	1	2/10/2005 12:47:21 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	45.5	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	45.5	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,1-Dichloroethane	0.21	0.20	1.00	J	µg/L	1	2/15/2005 3:29:00 AM
1,1-Dichloroethene	0.53	0.20	1.00	J	µg/L	1	2/15/2005 3:29:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:29:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:29:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:29:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 3:29:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:29:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0502053-02
Project No:	G486003	**Collection Date:**	2/9/2005 10:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 3:29:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 3:29:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 3:29:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 3:29:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:29:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 3:29:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 3:29:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 3:29:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:29:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 3:29:00 AM
Surr: 1,2-Dichloroethane-d4	99.1	0	72-119		%REC	1	2/15/2005 3:29:00 AM
Surr: 4-Bromofluorobenzene	96.4	0	76-119		%REC	1	2/15/2005 3:29:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0502053-02
Project No:	G486003	**Collection Date:**	2/9/2005 10:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 3:29:00 AM
Surr: Toluene-d8	101	0	81-120		%REC	1	2/15/2005 3:29:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 7:45:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 7:45:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0502053-02
Project No:	G486003	**Collection Date:**	2/9/2005 10:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 7:45:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 7:45:00 PM
Surr: 2,4,6-Tribromophenol	98.5	0	42-124		%REC	1	2/15/2005 7:45:00 PM
Surr: 2-Fluorobiphenyl	93.5	0	48-120		%REC	1	2/15/2005 7:45:00 PM
Surr: 2-Fluorophenol	54.8	0	20-120		%REC	1	2/15/2005 7:45:00 PM
Surr: 4-Terphenyl-d14	90.0	0	51-135		%REC	1	2/15/2005 7:45:00 PM
Surr: Nitrobenzene-d5	86.8	0	41-120		%REC	1	2/15/2005 7:45:00 PM
Surr: Phenol-d6	35.8	0	20-120		%REC	1	2/15/2005 7:45:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0502053-02
Project No:	G486003	**Collection Date:**	2/9/2005 10:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0224	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/14/2005 5:09:45 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/14/2005 5:09:45 PM
Surr: o-Terphenyl	85.3	0	64-132		%REC	1	2/14/2005 5:09:45 PM
Surr: Octacosane	60.4	0	26-152		%REC	1	2/14/2005 5:09:45 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	0.338	0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	1890	50	100		µg/L	1	2/14/2005 4:10:00 PM
Manganese	69.0	3.0	10.0		µg/L	1	2/14/2005 4:10:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 2:40:23 PM
Surr: Chlorobenzene	120	0	74-138		%REC	1	2/16/2005 2:40:23 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	2/11/2005 12:15:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0502053-03
Project No:	G486003	**Collection Date:**	2/9/2005 11:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/10/2005 1:02:40 PM
Sulfate	9.62	1.0	3.00		mg/L	1	2/10/2005 1:02:40 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	58.3	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	58.3	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:58:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:58:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:58:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 3:58:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 3:58:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0502053-03
Project No:	G486003	**Collection Date:**	2/9/2005 11:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 3:58:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 3:58:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 3:58:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 3:58:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 3:58:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 3:58:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 3:58:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 3:58:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 3:58:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 3:58:00 AM
Surr: 1,2-Dichloroethane-d4	98.9	0	72-119		%REC	1	2/15/2005 3:58:00 AM
Surr: 4-Bromofluorobenzene	97.3	0	76-119		%REC	1	2/15/2005 3:58:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0502053-03
Project No:	G486003	**Collection Date:**	2/9/2005 11:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 3:58:00 AM
Surr: Toluene-d8	101	0	81-120		%REC	1	2/15/2005 3:58:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 8:22:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 8:22:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0502053-03
Project No:	G486003	**Collection Date:**	2/9/2005 11:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:22:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 8:22:00 PM
Surr: 2,4,6-Tribromophenol	91.5	0	42-124		%REC	1	2/15/2005 8:22:00 PM
Surr: 2-Fluorobiphenyl	83.8	0	48-120		%REC	1	2/15/2005 8:22:00 PM
Surr: 2-Fluorophenol	44.8	0	20-120		%REC	1	2/15/2005 8:22:00 PM
Surr: 4-Terphenyl-d14	88.2	0	51-135		%REC	1	2/15/2005 8:22:00 PM
Surr: Nitrobenzene-d5	77.5	0	41-120		%REC	1	2/15/2005 8:22:00 PM
Surr: Phenol-d6	28.8	0	20-120		%REC	1	2/15/2005 8:22:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0502053-03
Project No:	G486003	**Collection Date:**	2/9/2005 11:20:00 AM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.00709	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 10:17:04 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 10:17:04 AM
Surr: o-Terphenyl	91.2	0	64-132		%REC	1	2/15/2005 10:17:04 AM
Surr: Octacosane	59.2	0	26-152		%REC	1	2/15/2005 10:17:04 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	0.093	0.050	0.100	J	mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	ND	50	100		µg/L	1	2/14/2005 4:14:00 PM
Manganese	9.9	3.0	10.0	J	µg/L	1	2/14/2005 4:14:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 3:01:41 PM
Surr: Chlorobenzene	126	0	74-138		%REC	1	2/16/2005 3:01:41 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	2/11/2005 12:15:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0502053-04
Project No:	G486003	**Collection Date:**	2/9/2005 1:20:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/10/2005 1:35:35 PM
Sulfate	11.4	1.0	3.00		mg/L	1	2/10/2005 1:35:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:27:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:27:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:27:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 4:27:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:27:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0502053-04
Project No:	G486003	**Collection Date:**	2/9/2005 1:20:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 4:27:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 4:27:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 4:27:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 4:27:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:27:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 4:27:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 4:27:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 4:27:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:27:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 4:27:00 AM
Surr: 1,2-Dichloroethane-d4	99.2	0	72-119		%REC	1	2/15/2005 4:27:00 AM
Surr: 4-Bromofluorobenzene	94.9	0	76-119		%REC	1	2/15/2005 4:27:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0502053-04
Project No:	G486003	**Collection Date:**	2/9/2005 1:20:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 4:27:00 AM
Surr: Toluene-d8	101	0	81-120		%REC	1	2/15/2005 4:27:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 8:59:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 8:59:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0502053-04
Project No:	G486003	**Collection Date:**	2/9/2005 1:20:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 8:59:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 8:59:00 PM
Surr: 2,4,6-Tribromophenol	95.8	0	42-124		%REC	1	2/15/2005 8:59:00 PM
Surr: 2-Fluorobiphenyl	88.2	0	48-120		%REC	1	2/15/2005 8:59:00 PM
Surr: 2-Fluorophenol	52.0	0	20-120		%REC	1	2/15/2005 8:59:00 PM
Surr: 4-Terphenyl-d14	88.2	0	51-135		%REC	1	2/15/2005 8:59:00 PM
Surr: Nitrobenzene-d5	83.5	0	41-120		%REC	1	2/15/2005 8:59:00 PM
Surr: Phenol-d6	33.8	0	20-120		%REC	1	2/15/2005 8:59:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0502053-04
Project No:	G486003	**Collection Date:**	2/9/2005 1:20:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0207	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 10:17:04 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 10:17:04 AM
Surr: o-Terphenyl	74.6	0	64-132		%REC	1	2/15/2005 10:17:04 AM
Surr: Octacosane	12.6	0	26-152	S	%REC	1	2/15/2005 10:17:04 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	0.67	0.50	1.00	J	mg/L	10	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	1530	50	100		µg/L	1	2/14/2005 4:18:00 PM
Manganese	30.4	3.0	10.0		µg/L	1	2/14/2005 4:18:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 3:22:58 PM
Surr: Chlorobenzene	120	0	74-138		%REC	1	2/16/2005 3:22:58 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0191	0.0050	0.00500		mg/L	1	2/11/2005 12:15:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-P24
Project Name:	Gulfport	**Lab ID:**	0502053-05
Project No:	G486003	**Collection Date:**	2/9/2005 2:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	0.16	0.10	0.500	J	mg/L	1	2/10/2005 1:50:55 PM
Sulfate	6.05	1.0	3.00		mg/L	1	2/10/2005 1:50:55 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	138	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	138	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:56:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:56:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:56:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 4:56:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 4:56:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-P24
Project Name:	Gulfport	**Lab ID:**	0502053-05
Project No:	G486003	**Collection Date:**	2/9/2005 2:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 4:56:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 4:56:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 4:56:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 4:56:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 4:56:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 4:56:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 4:56:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 4:56:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 4:56:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 4:56:00 AM
Surr: 1,2-Dichloroethane-d4	99.5	0	72-119		%REC	1	2/15/2005 4:56:00 AM
Surr: 4-Bromofluorobenzene	95.4	0	76-119		%REC	1	2/15/2005 4:56:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-P24
Project Name:	Gulfport	**Lab ID:**	0502053-05
Project No:	G486003	**Collection Date:**	2/9/2005 2:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 4:56:00 AM
Surr: Toluene-d8	100	0	81-120		%REC	1	2/15/2005 4:56:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 9:37:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 9:37:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-P24
Project Name:	Gulfport	**Lab ID:**	0502053-05
Project No:	G486003	**Collection Date:**	2/9/2005 2:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 9:37:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 9:37:00 PM
Surr: 2,4,6-Tribromophenol	94.8	0	42-124		%REC	1	2/15/2005 9:37:00 PM
Surr: 2-Fluorobiphenyl	91.5	0	48-120		%REC	1	2/15/2005 9:37:00 PM
Surr: 2-Fluorophenol	51.3	0	20-120		%REC	1	2/15/2005 9:37:00 PM
Surr: 4-Terphenyl-d14	92.0	0	51-135		%REC	1	2/15/2005 9:37:00 PM
Surr: Nitrobenzene-d5	85.8	0	41-120		%REC	1	2/15/2005 9:37:00 PM
Surr: Phenol-d6	32.8	0	20-120		%REC	1	2/15/2005 9:37:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-P24
Project Name:	Gulfport	**Lab ID:**	0502053-05
Project No:	G486003	**Collection Date:**	2/9/2005 2:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	ND	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 10:42:11 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 10:42:11 AM
Surr: o-Terphenyl	92.8	0	64-132		%REC	1	2/15/2005 10:42:11 AM
Surr: Octacosane	73.3	0	26-152		%REC	1	2/15/2005 10:42:11 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	ND	50	100		µg/L	1	2/14/2005 4:22:00 PM
Manganese	ND	3.0	10.0		µg/L	1	2/14/2005 4:22:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 5:05:35 PM
Surr: Chlorobenzene	97.0	0	74-138		%REC	1	2/16/2005 5:05:35 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	2/11/2005 12:26:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0502053-06
Project No:	G486003	**Collection Date:**	2/9/2005 3:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	0.635	0.10	0.500		mg/L	1	2/10/2005 2:06:14 PM
Sulfate	10.0	1.0	3.00		mg/L	1	2/10/2005 2:06:14 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	10.5	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	10.5	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:24:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:24:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:24:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 5:24:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:24:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0502053-06
Project No:	G486003	**Collection Date:**	2/9/2005 3:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 5:24:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 5:24:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 5:24:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 5:24:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:24:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 5:24:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 5:24:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 5:24:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:24:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 5:24:00 AM
Surr: 1,2-Dichloroethane-d4	99.1	0	72-119		%REC	1	2/15/2005 5:24:00 AM
Surr: 4-Bromofluorobenzene	94.7	0	76-119		%REC	1	2/15/2005 5:24:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0502053-06
Project No:	G486003	**Collection Date:**	2/9/2005 3:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 5:24:00 AM
Surr: Toluene-d8	101	0	81-120		%REC	1	2/15/2005 5:24:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 10:14:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 10:14:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0502053-06
Project No:	G486003	**Collection Date:**	2/9/2005 3:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:14:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 10:14:00 PM
Surr: 2,4,6-Tribromophenol	107	0	42-124		%REC	1	2/15/2005 10:14:00 PM
Surr: 2-Fluorobiphenyl	97.2	0	48-120		%REC	1	2/15/2005 10:14:00 PM
Surr: 2-Fluorophenol	53.8	0	20-120		%REC	1	2/15/2005 10:14:00 PM
Surr: 4-Terphenyl-d14	96.8	0	51-135		%REC	1	2/15/2005 10:14:00 PM
Surr: Nitrobenzene-d5	94.0	0	41-120		%REC	1	2/15/2005 10:14:00 PM
Surr: Phenol-d6	33.8	0	20-120		%REC	1	2/15/2005 10:14:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0502053-06
Project No:	G486003	**Collection Date:**	2/9/2005 3:25:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.00091	0.00030	0.00100	J	mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 10:42:11 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 10:42:11 AM
Surr: o-Terphenyl	74.0	0	64-132		%REC	1	2/15/2005 10:42:11 AM
Surr: Octacosane	17.7	0	26-152	S	%REC	1	2/15/2005 10:42:11 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	ND	50	100		µg/L	1	2/14/2005 4:26:00 PM
Manganese	ND	3.0	10.0		µg/L	1	2/14/2005 4:26:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 5:26:54 PM
Surr: Chlorobenzene	114	0	74-138		%REC	1	2/16/2005 5:26:54 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	2/11/2005 1:33:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0502053-07
Project No:	G486003	**Collection Date:**	2/9/2005 4:45:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/10/2005 2:21:36 PM
Sulfate	1.5	1.0	3.00	J	mg/L	1	2/10/2005 2:21:36 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	50.9	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	50.9	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:53:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:53:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:53:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 5:53:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 5:53:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
2-Butanone	22.8	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
4-Methyl-2-pentanone	5.6	5.0	15.0	J	µg/L	1	2/15/2005 5:53:00 AM
Acetone	31.1	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0502053-07
Project No:	G486003	**Collection Date:**	2/9/2005 4:45:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 5:53:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 5:53:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 5:53:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 5:53:00 AM
o-Xylene	2.36	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 5:53:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 5:53:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 5:53:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 5:53:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 5:53:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 5:53:00 AM
Surr: 1,2-Dichloroethane-d4	99.1	0	72-119		%REC	1	2/15/2005 5:53:00 AM
Surr: 4-Bromofluorobenzene	94.5	0	76-119		%REC	1	2/15/2005 5:53:00 AM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0502053-07
Project No:	G486003	**Collection Date:**	2/9/2005 4:45:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	104	0	85-115		%REC	1	2/15/2005 5:53:00 AM
Surr: Toluene-d8	102	0	81-120		%REC	1	2/15/2005 5:53:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2,4,5-Trichlorophenol	1.2	1.0	4.00	J	µg/L	1	2/16/2005 8:13:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2,4-Dimethylphenol	2.0	2.0	4.00	J	µg/L	1	2/16/2005 8:13:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/16/2005 8:13:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2-Methylnaphthalene	1.6	1.0	4.00	J	µg/L	1	2/16/2005 8:13:00 AM
2-Methylphenol	3.6	1.0	4.00	J	µg/L	1	2/16/2005 8:13:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
4-Methylphenol	78.4	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/16/2005 8:13:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM

Qualifiers:

ND - Not Detected at the SQL
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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0502053-07
Project No:	G486003	**Collection Date:**	2/9/2005 4:45:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Naphthalene	2.0	1.0	4.00	J	µg/L	1	2/16/2005 8:13:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Phenol	2.4	2.0	4.00	J	µg/L	1	2/16/2005 8:13:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/16/2005 8:13:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/16/2005 8:13:00 AM
Surr: 2,4,6-Tribromophenol	108	0	42-124		%REC	1	2/16/2005 8:13:00 AM
Surr: 2-Fluorobiphenyl	77.0	0	48-120		%REC	1	2/16/2005 8:13:00 AM
Surr: 2-Fluorophenol	45.5	0	20-120		%REC	1	2/16/2005 8:13:00 AM
Surr: 4-Terphenyl-d14	83.5	0	51-135		%REC	1	2/16/2005 8:13:00 AM
Surr: Nitrobenzene-d5	73.2	0	41-120		%REC	1	2/16/2005 8:13:00 AM
Surr: Phenol-d6	31.8	0	20-120		%REC	1	2/16/2005 8:13:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0502053-07
Project No:	G486003	**Collection Date:**	2/9/2005 4:45:00 PM
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0964	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	7.22	0.60	1.00		mg/L	1	2/15/2005 11:09:35 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 11:09:35 AM
Surr: o-Terphenyl	96.7	0	64-132		%REC	1	2/15/2005 11:09:35 AM
Surr: Octacosane	88.8	0	26-152		%REC	1	2/15/2005 11:09:35 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	11.2	1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	11300	250	500		µg/L	5	2/14/2005 5:16:00 PM
Manganese	46.0	3.0	10.0		µg/L	1	2/14/2005 4:30:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.085	0.060	0.200	J	mg/L	1	2/16/2005 5:48:06 PM
Surr: Chlorobenzene	115	0	74-138		%REC	1	2/16/2005 5:48:06 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	2.31	0.050	0.0500		mg/L	10	2/11/2005 1:41:00 PM

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DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank Cooler 6-1
Project Name:	Gulfport	**Lab ID:**	0502053-08
Project No:	G486003	**Collection Date:**	2/9/2005
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:33:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:33:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:33:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 1:33:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:33:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank Cooler 6-1
Project Name:	Gulfport	**Lab ID:**	0502053-08
Project No:	G486003	**Collection Date:**	2/9/2005
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 1:33:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 1:33:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 1:33:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 1:33:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:33:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 1:33:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 1:33:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 1:33:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:33:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 1:33:00 AM
Surr: 1,2-Dichloroethane-d4	99.7	0	72-119		%REC	1	2/15/2005 1:33:00 AM
Surr: 4-Bromofluorobenzene	101	0	76-119		%REC	1	2/15/2005 1:33:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 1:33:00 AM
Surr: Toluene-d8	99.0	0	81-120		%REC	1	2/15/2005 1:33:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank Cooler 6-10
Project Name:	Gulfport	**Lab ID:**	0502053-09
Project No:	G486003	**Collection Date:**	2/9/2005
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:04:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:04:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:04:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 1:04:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 1:04:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *22-Feb-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank Cooler 6-10
Project Name:	Gulfport	**Lab ID:**	0502053-09
Project No:	G486003	**Collection Date:**	2/9/2005
Lab Order:	0502053	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 1:04:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 1:04:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 1:04:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 1:04:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 1:04:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 1:04:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 1:04:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 1:04:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 1:04:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 1:04:00 AM
Surr: 1,2-Dichloroethane-d4	101	0	72-119		%REC	1	2/15/2005 1:04:00 AM
Surr: 4-Bromofluorobenzene	96.7	0	76-119		%REC	1	2/15/2005 1:04:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 1:04:00 AM
Surr: Toluene-d8	99.0	0	81-120		%REC	1	2/15/2005 1:04:00 AM

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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050214A

Sample ID **MB-18326** Batch ID: **18326** TestNo: **M8015D** Units: **mg/L**
SampType **MBLK** Run ID: **GC15_050214A** Analysis Date: **2/14/2005 3:50:16 PM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	1								
TPH-ORO >C28-C35	ND	1								
Surr: o-Terphenyl	1.409	0	1.5	0	94	64	132	0		
Surr: Octacosane	0.5536	0	1.5	0	36.9	26	152	0		

Sample ID **LCS-18326** Batch ID: **18326** TestNo: **M8015D** Units: **mg/L**
SampType **LCS** Run ID: **GC15_050214A** Analysis Date: **2/14/2005 3:50:16 PM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	19.51	1	25	0	78	50	114	0		
Surr: o-Terphenyl	1.227	0	1.5	0	81.8	64	132	0		
Surr: Octacosane	0.06745	0	1.5	0	4.5	26	152	0		S

Sample ID **0502068-05IMS** Batch ID: **18326** TestNo: **M8015D** Units: **mg/L**
SampType **MS** Run ID: **GC15_050214A** Analysis Date: **2/14/2005 4:43:49 PM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	21.76	1	25	1.142	82.5	50	114	0		
Surr: o-Terphenyl	1.261	0	1.5	0	84.1	64	132	0		
Surr: Octacosane	0.169	0	1.5	0	11.3	26	152	0		S

Sample ID **0502068-05IMSD** Batch ID: **18326** TestNo: **M8015D** Units: **mg/L**
SampType **MSD** Run ID: **GC15_050214A** Analysis Date: **2/14/2005 5:09:45 PM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	22.47	1	25	1.142	85.3	50	114	3.18	30	
Surr: o-Terphenyl	1.241	0	1.5	0	82.7	64	132	0	0	
Surr: Octacosane	0.2227	0	1.5	0	14.8	26	152	0	0	S

Sample ID **CCV1-050214** Batch ID: **R21002** TestNo: **M8015D** Units: **mg/L**
SampType **CCV** Run ID: **GC15_050214A** Analysis Date: **2/14/2005 5:34:55 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	524.6	1	500	0	105	85	115	0		
TPH-ORO >C28-C35	2.112	1	0	0	0	0	0	0		
Surr: o-Terphenyl	15.4	0	20	0	77	64	132	0		
Surr: Octacosane	14.18	0	20	0	70.9	26	152	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050214A

Sample ID **CCV1-050214**	Batch ID: **R21002**	TestNo: **M8015D**	Units: **mg/L**
SampType **CCV**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 5:34:55 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	474	1	500	0	94.8	85	115	0		
TPH-ORO >C28-C35	1.327	1	0	0	0	0	0	0		
Surr: o-Terphenyl	16.52	0	20	0	82.6	64	132	0		
Surr: Octacosane	4.028	0	20	0	20.1	26	152	0		S

Sample ID **ICV-050214**	Batch ID: **R21002**	TestNo: **M8015D**	Units: **mg/L**
SampType **ICV**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 3:25:15 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1061	1	1000	0	106	85	115	0		
TPH-ORO >C28-C35	0.109	1	0	0	0	0	0	0		
Surr: o-Terphenyl	21.01	0	25	0	84	64	132	0		
Surr: Octacosane	6.186	0	25	0	24.7	26	152	0		S

Sample ID **ICV-050214**	Batch ID: **R21002**	TestNo: **M8015D**	Units: **mg/L**
SampType **ICV**	Run ID: **GC15_050214A**	Analysis Date: **2/14/2005 3:25:15 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	886.4	1	1000	0	88.6	85	115	0		
TPH-ORO >C28-C35	0.4162	1	0	0	0	0	0	0		
Surr: o-Terphenyl	16.87	0	25	0	67.5	64	132	0		
Surr: Octacosane	0.7466	0	25	0	2.99	26	152	0		S

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050215A

Sample ID	CCV2-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 1:02:58 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	528.6	1	500	0	106	85	115	0		
TPH-ORO >C28-C35	1.298	1	0	0	0	0	0	0		
Surr: o-Terphenyl	18.99	0	20	0	95	64	132	0		
Surr: Octacosane	17.17	0	20	0	85.8	26	152	0		

Sample ID	CCV2-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 1:02:58 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	471	1	500	0	94.2	85	115	0		
TPH-ORO >C28-C35	1.665	1	0	0	0	0	0	0		
Surr: o-Terphenyl	18	0	20	0	90	64	132	0		
Surr: Octacosane	11.72	0	20	0	58.6	26	152	0		

Sample ID	ICV-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	ICV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 9:24:40 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1072	1	1000	0	107	85	115	0		
TPH-ORO >C28-C35	ND	1	0	0	0	0	0	0		
Surr: o-Terphenyl	20.99	0	25	0	84	64	132	0		
Surr: Octacosane	8.456	0	25	0	33.8	26	152	0		

Sample ID	ICV-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	ICV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 9:24:40 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	924.1	1	1000	0	92.4	85	115	0		
TPH-ORO >C28-C35	0.08713	1	0	0	0	0	0	0		
Surr: o-Terphenyl	18.76	0	25	0	75	64	132	0		
Surr: Octacosane	2.725	0	25	0	10.9	26	152	0		S

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_050216A

Sample ID	MB-18338	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MBLK	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 11:35:23 AM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.2								
Surr: Chlorobenzene	0.09147	0	0.1	0	91.5	74	138	0		

Sample ID	LCS-18338	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	LCS	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 11:14:03 AM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.079	0.2	1.25	0	86.4	67	136	0		
Surr: Chlorobenzene	0.08275	0	0.1	0	82.8	74	138	0		

Sample ID	0502068-05BMS	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MS	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 1:05:11 PM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.47	0.2	1.25	0.1355	107	67	136	0		
Surr: Chlorobenzene	0.1374	0	0.1	0	137	74	138	0		

Sample ID	0502068-05BMSD	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MSD	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 1:27:06 PM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.463	0.2	1.25	0.1355	106	67	136	0.441	30	
Surr: Chlorobenzene	0.1317	0	0.1	0	132	74	138	0	0	

Sample ID	CCV1-050216	Batch ID:	R21026	TestNo:	M8015V	Units:	mg/L
SampType	CCV	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 4:31:56 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	2.419	0.2	2.5	0	96.8	85	115	0		
Surr: Chlorobenzene	0.1337	0	0.1	0	134	74	138	0		

Sample ID	CCV2-050216	Batch ID:	R21026	TestNo:	M8015V	Units:	mg/L
SampType	CCV	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 8:39:15 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	2.624	0.2	2.5	0	105	85	115	0		
Surr: Chlorobenzene	0.1453	0	0.1	0	145	74	138	0		S

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_050216A

Sample ID **ICV-050216**	Batch ID: **R21026**	TestNo: **M8015V**	Units: **mg/L**
SampType **ICV**	Run ID: **GC4_050216A**	Analysis Date: **2/16/2005 10:38:50 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.492	0.2	5	0	89.8	85	115	0		
Surr: Chlorobenzene	0.1246	0	0.1	0	125	74	138	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050214A

Sample ID	MB-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MBLK	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:13:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	100								
Manganese	ND	10								

Sample ID	LCS-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	LCS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:34:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5165	100	5000	0	103	80	120	0		
Manganese	191.8	10	200	0	95.9	80	120	0		

Sample ID	LCSD-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	LCSD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:38:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5156	100	5000	0	103	80	120	0.174	15	
Manganese	189.5	10	200	0	94.8	80	120	1.21	15	

Sample ID	0502068-05EMS	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:42:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	10770	100	5000	5444	107	80	120	0		
Manganese	201.5	10	200	8.305	96.6	80	120	0		

Sample ID	0502068-05EMSD	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MSD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:46:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	10810	100	5000	5444	107	80	120	0.371	15	
Manganese	202.5	10	200	8.305	97.1	80	120	0.495	15	

Sample ID	0502068-05EPDS	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	PDS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:50:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	9971	100	5000	5444	90.5	75	125	0		
Manganese	195.1	10	200	8.305	93.4	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050214A

Sample ID	0502068-05ESD	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	SD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:22:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5695	500	0	5444	0	0	0	4.51	10	
Manganese	ND	50	0	8.305	0	0	0	0	10	

Sample ID	CCV3-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 2:34:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5156	100	5000	0	103	90	110	0		
Manganese	190.8	10	200	0	95.4	90	110	0		

Sample ID	CCV4-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:54:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5268	100	5000	0	105	90	110	0		
Manganese	195.2	10	200	0	97.6	90	110	0		

Sample ID	CCV5-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 4:34:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5064	100	5000	0	101	90	110	0		
Manganese	188.8	10	200	0	94.4	90	110	0		

Sample ID	ICV1-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	ICV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 11:39:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	2684	100	2500	0	107	90	110	0		
Manganese	101.4	10	100	0	101	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_050214A

Sample ID	**CCV4-050214**	Batch ID:	**R20991**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**CCV**	Run ID:	**ICP-MS2_050214A**	Analysis Date:	**2/14/2005 4:02:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	4896	100	5000	0	97.9	90	110	0		
Manganese	195.9	10	200	0	98	90	110	0		

Sample ID	**CCV5-050214**	Batch ID:	**R20991**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**CCV**	Run ID:	**ICP-MS2_050214A**	Analysis Date:	**2/14/2005 5:24:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	4927	100	5000	0	98.5	90	110	0		

Sample ID	**ICV1-050214**	Batch ID:	**R20991**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**ICP-MS2_050214A**	Analysis Date:	**2/14/2005 11:49:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	2571	100	2500	0	103	90	110	0		
Manganese	106	10	100	0	106	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**MB-18314**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 2:41:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4								
1,2-Dichlorobenzene	ND	4								
1,3-Dichlorobenzene	ND	4								
1,4-Dichlorobenzene	ND	4								
2,4,5-Trichlorophenol	ND	4								
2,4,6-Trichlorophenol	ND	4								
2,4-Dichlorophenol	ND	4								
2,4-Dimethylphenol	ND	4								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	4								
2,6-Dinitrotoluene	ND	4								
2-Chloronaphthalene	ND	4								
2-Chlorophenol	ND	4								
2-Methylnaphthalene	ND	4								
2-Methylphenol	ND	4								
2-Nitroaniline	ND	4								
2-Nitrophenol	ND	4								
3,3´-Dichlorobenzidine	ND	4								
3-Nitroaniline	ND	4								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl phenyl ether	ND	4								
4-Chloro-3-methylphenol	ND	4								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	4								
4-Methylphenol	ND	4								
4-Nitroaniline	ND	4								
4-Nitrophenol	ND	20								
Acenaphthene	ND	4								
Acenaphthylene	ND	4								
Aniline	ND	4								
Anthracene	ND	4								
Benzo[a]anthracene	ND	4								
Benzo[a]pyrene	ND	4								
Benzo[b]fluoranthene	ND	4								
Benzo[g,h,i]perylene	ND	4								
Benzo[k]fluoranthene	ND	4								
Benzoic acid	ND	10								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	4								
Bis(2-chloroethyl)ether	ND	4								
Bis(2-chloroisopropyl)ether	ND	4								
Bis(2-ethylhexyl)phthalate	ND	4								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **MB-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MBLK**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:41:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	10								
Carbazole	ND	4								
Chrysene	ND	4								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz[a,h]anthracene	ND	4								
Dibenzofuran	ND	4								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	4								
Fluorene	ND	4								
Hexachlorobenzene	ND	4								
Hexachlorobutadiene	ND	4								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	4								
Indeno[1,2,3-cd]pyrene	ND	4								
Isophorone	ND	4								
N-Nitrosodi-n-propylamine	ND	4								
N-Nitrosodiphenylamine	ND	4								
Naphthalene	ND	4								
Nitrobenzene	ND	4								
Pentachlorophenol	ND	4								
Phenanthrene	ND	4								
Phenol	ND	4								
Pyrene	ND	4								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	70.2	0	80	0	87.8	42	124	0		
Surr: 2-Fluorobiphenyl	66	0	80	0	82.5	48	120	0		
Surr: 2-Fluorophenol	36.8	0	80	0	46	20	120	0		
Surr: 4-Terphenyl-d14	66.8	0	80	0	83.5	51	135	0		
Surr: Nitrobenzene-d5	62.2	0	80	0	77.8	41	120	0		
Surr: Phenol-d6	23.8	0	80	0	29.8	20	120	0		

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	34.2	4	40	0	85.5	37	120	0		
1,2-Dichlorobenzene	35.2	4	40	0	88	33	120	0		
1,3-Dichlorobenzene	34.6	4	40	0	86.5	32	120	0		
1,4-Dichlorobenzene	29.2	4	40	0	73	32	120	0		
2,4,5-Trichlorophenol	34	4	40	0	85	49	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	33.2	4	40	0	83	49	126	0		
2,4-Dichlorophenol	32.6	4	40	0	81.5	48	120	0		
2,4-Dimethylphenol	30.4	4	40	0	76	28	120	0		
2,4-Dinitrophenol	19.2	20	40	0	48	25	130	0		
2,4-Dinitrotoluene	38.8	4	40	0	97	51	120	0		
2,6-Dinitrotoluene	38.8	4	40	0	97	49	120	0		
2-Chloronaphthalene	36.4	4	40	0	91	49	120	0		
2-Chlorophenol	29.6	4	40	0	74	37	120	0		
2-Methylnaphthalene	35.4	4	40	0	88.5	45	105	0		
2-Methylphenol	27.4	4	40	0	68.5	38	120	0		
2-Nitroaniline	36.6	4	40	0	91.5	48	120	0		
2-Nitrophenol	33.4	4	40	0	83.5	39	123	0		
3,3´-Dichlorobenzidine	36.8	4	40	0	92	20	120	0		
3-Nitroaniline	36.4	4	40	0	91	20	126	0		
4,6-Dinitro-2-methylphenol	26	10	40	0	65	40	130	0		
4-Bromophenyl phenyl ether	39.8	4	40	0	99.5	52	120	0		
4-Chloro-3-methylphenol	32.8	4	40	0	82	47	120	0		
4-Chloroaniline	34.2	10	40	0	85.5	20	120	0		
4-Chlorophenyl phenyl ether	39.2	4	40	0	98	50	120	0		
4-Methylphenol	25.2	4	40	0	63	32	120	0		
4-Nitroaniline	33.4	4	40	0	83.5	36	120	0		
4-Nitrophenol	10.8	20	40	0	27	20	120	0		
Acenaphthene	37.4	4	40	0	93.5	45	110	0		
Acenaphthylene	49.8	4	40	0	124	50	105	0		S
Aniline	31.6	4	40	0	79	10	140	0		
Anthracene	38	4	40	0	95	55	110	0		
Benzo[a]anthracene	36.6	4	40	0	91.5	55	110	0		
Benzo[a]pyrene	37.2	4	40	0	93	55	110	0		
Benzo[b]fluoranthene	38.2	4	40	0	95.5	45	120	0		
Benzo[g,h,i]perylene	36	4	40	0	90	38	123	0		
Benzo[k]fluoranthene	35.6	4	40	0	89	45	125	0		
Benzoic acid	3.6	10	40	0	9	20	120	0		S
Benzyl alcohol	27	10	40	0	67.5	30	120	0		
Bis(2-chloroethoxy)methane	36.8	4	40	0	92	46	120	0		
Bis(2-chloroethyl)ether	36.8	4	40	0	92	37	120	0		
Bis(2-chloroisopropyl)ether	37.6	4	40	0	94	26	131	0		
Bis(2-ethylhexyl)phthalate	36	4	40	0	90	42	126	0		
Butyl benzyl phthalate	35.8	10	40	0	89.5	46	120	0		
Carbazole	38.8	4	40	0	97	26	125	0		
Chrysene	37	4	40	0	92.5	55	110	0		
Di-n-butyl phthalate	37.8	10	40	0	94.5	54	120	0		
Di-n-octyl phthalate	35.2	10	40	0	88	37	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	35.8	4	40	0	89.5	42	127	0		
Dibenzofuran	38	4	40	0	95	54	120	0		
Diethyl phthalate	37.8	10	40	0	94.5	41	120	0		
Dimethyl phthalate	38.4	10	40	0	96	25	127	0		
Fluoranthene	38.8	4	40	0	97	55	115	0		
Fluorene	39.2	4	40	0	98	50	110	0		
Hexachlorobenzene	39.8	4	40	0	99.5	52	120	0		
Hexachlorobutadiene	33.4	4	40	0	83.5	27	120	0		
Hexachlorocyclopentadiene	40.4	10	40	0	101	27	125	0		
Hexachloroethane	33	4	40	0	82.5	28	120	0		
Indeno[1,2,3-cd]pyrene	36	4	40	0	90	45	125	0		
Isophorone	38.8	4	40	0	97	50	120	0		
N-Nitrosodi-n-propylamine	37.2	4	40	0	93	34	128	0		
N-Nitrosodiphenylamine	38.6	4	40	0	96.5	48	120	0		
Naphthalene	35.4	4	40	0	88.5	40	100	0		
Nitrobenzene	37.4	4	40	0	93.5	44	120	0		
Pentachlorophenol	31.6	4	40	0	79	38	120	0		
Phenanthrene	38.2	4	40	0	95.5	50	115	0		
Phenol	12.2	4	40	0	30.5	20	120	0		
Pyrene	36.6	4	40	0	91.5	50	130	0		
Pyridine	23.4	10	40	0	58.5	20	110	0		
Surr: 2,4,6-Tribromophenol	87	0	80	0	109	42	124	0		
Surr: 2-Fluorobiphenyl	77	0	80	0	96.2	48	120	0		
Surr: 2-Fluorophenol	42.4	0	80	0	53	20	120	0		
Surr: 4-Terphenyl-d14	77.8	0	80	0	97.2	51	135	0		
Surr: Nitrobenzene-d5	74	0	80	0	92.5	41	120	0		
Surr: Phenol-d6	27.4	0	80	0	34.2	20	120	0		

Sample ID **0502068-05HMS**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 11:29:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	38.6	4	40	0	96.5	37	120	0		
1,2-Dichlorobenzene	39.2	4	40	0	98	33	120	0		
1,3-Dichlorobenzene	33.6	4	40	0	84	32	120	0		
1,4-Dichlorobenzene	31.4	4	40	0	78.5	32	120	0		
2,4,5-Trichlorophenol	32.2	4	40	0	80.5	49	120	0		
2,4,6-Trichlorophenol	32.6	4	40	0	81.5	49	126	0		
2,4-Dichlorophenol	31.2	4	40	0	78	48	120	0		
2,4-Dimethylphenol	33.8	4	40	0	84.5	28	120	0		
2,4-Dinitrophenol	32.6	20	40	0	81.5	25	130	0		
2,4-Dinitrotoluene	42	4	40	0	105	51	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**0502068-05HMS**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MS**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 11:29:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	43.8	4	40	0	110	49	120	0		
2-Chloronaphthalene	40.2	4	40	0	100	49	120	0		
2-Chlorophenol	28.8	4	40	0	72	37	120	0		
2-Methylnaphthalene	49.2	4	40	10.6	96.5	45	105	0		
2-Methylphenol	27.8	4	40	0	69.5	38	120	0		
2-Nitroaniline	43.4	4	40	0	108	48	120	0		
2-Nitrophenol	30.4	4	40	0	76	39	123	0		
3,3´-Dichlorobenzidine	ND	4	40	0	0	20	120	0		S
3-Nitroaniline	37.2	4	40	0	93	20	126	0		
4,6-Dinitro-2-methylphenol	33.8	10	40	0	84.5	40	130	0		
4-Bromophenyl phenyl ether	44.8	4	40	0	112	52	120	0		
4-Chloro-3-methylphenol	31.4	4	40	0	78.5	47	120	0		
4-Chloroaniline	33.4	10	40	0	83.5	20	120	0		
4-Chlorophenyl phenyl ether	41.8	4	40	0	104	50	120	0		
4-Methylphenol	30.4	4	40	3	68.5	32	120	0		
4-Nitroaniline	35.8	4	40	0	89.5	36	120	0		
4-Nitrophenol	14.6	20	40	0	36.5	20	120	0		
Acenaphthene	41.6	4	40	0	104	45	110	0		
Acenaphthylene	54.6	4	40	0	136	50	105	0		S
Aniline	33.6	4	40	0	84	10	140	0		
Anthracene	43.2	4	40	0	108	55	110	0		
Benzo[a]anthracene	40.8	4	40	0	102	55	110	0		
Benzo[a]pyrene	41.8	4	40	0	104	55	110	0		
Benzo[b]fluoranthene	38	4	40	0	95	45	120	0		
Benzo[g,h,i]perylene	40.6	4	40	0	102	38	123	0		
Benzo[k]fluoranthene	41.8	4	40	0	104	45	125	0		
Benzoic acid	8	10	40	0	20	20	120	0		
Benzyl alcohol	32.8	10	40	0	82	30	120	0		
Bis(2-chloroethoxy)methane	40.8	4	40	0	102	46	120	0		
Bis(2-chloroethyl)ether	41.2	4	40	0	103	37	120	0		
Bis(2-chloroisopropyl)ether	41.8	4	40	0	104	26	131	0		
Bis(2-ethylhexyl)phthalate	42.4	4	40	0	106	42	126	0		
Butyl benzyl phthalate	41.8	10	40	0	104	46	120	0		
Carbazole	43.2	4	40	0	108	26	125	0		
Chrysene	40.6	4	40	0	102	55	110	0		
Di-n-butyl phthalate	43.2	10	40	0	108	54	120	0		
Di-n-octyl phthalate	43.4	10	40	0	108	37	137	0		
Dibenz[a,h]anthracene	40.6	4	40	0	102	42	127	0		
Dibenzofuran	41.6	4	40	0	104	54	120	0		
Diethyl phthalate	41.6	10	40	0	104	41	120	0		
Dimethyl phthalate	41.8	10	40	0	104	25	127	0		
Fluoranthene	44	4	40	0	110	55	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMS**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 11:29:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Fluorene	43	4	40	1	105	50	110	0		
Hexachlorobenzene	43.8	4	40	0	110	52	120	0		
Hexachlorobutadiene	38	4	40	0	95	27	120	0		
Hexachlorocyclopentadiene	52.8	10	40	0	132	27	125	0		S
Hexachloroethane	37.6	4	40	0	94	28	120	0		
Indeno[1,2,3-cd]pyrene	40.6	4	40	0	102	45	125	0		
Isophorone	42.4	4	40	0	106	50	120	0		
N-Nitrosodi-n-propylamine	40	4	40	0	100	34	128	0		
N-Nitrosodiphenylamine	46.6	4	40	0	116	48	120	0		
Naphthalene	55	4	40	15.6	98.5	40	100	0		
Nitrobenzene	41.2	4	40	0	103	44	120	0		
Pentachlorophenol	35.2	4	40	0	88	38	120	0		
Phenanthrene	42.6	4	40	0	106	50	115	0		
Phenol	13	4	40	0	32.5	20	120	0		
Pyrene	39.8	4	40	0	99.5	50	130	0		
Pyridine	27.6	10	40	0	69	20	110	0		
Surr: 2,4,6-Tribromophenol	83.8	0	80	0	105	42	124	0		
Surr: 2-Fluorobiphenyl	70	0	80	0	87.5	48	120	0		
Surr: 2-Fluorophenol	45.8	0	80	0	57.2	20	120	0		
Surr: 4-Terphenyl-d14	71.2	0	80	0	89	51	135	0		
Surr: Nitrobenzene-d5	68.2	0	80	0	85.2	41	120	0		
Surr: Phenol-d6	30	0	80	0	37.5	20	120	0		

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	38.8	4	40	0	97	37	120	0.517	20	
1,2-Dichlorobenzene	37.8	4	40	0	94.5	33	120	3.64	20	
1,3-Dichlorobenzene	33.2	4	40	0	83	32	120	1.20	20	
1,4-Dichlorobenzene	30.2	4	40	0	75.5	32	120	3.90	20	
2,4,5-Trichlorophenol	33.8	4	40	0	84.5	49	120	4.85	20	
2,4,6-Trichlorophenol	33.2	4	40	0	83	49	126	1.82	20	
2,4-Dichlorophenol	33.6	4	40	0	84	48	120	7.41	20	
2,4-Dimethylphenol	36	4	40	0	90	28	120	6.30	20	
2,4-Dinitrophenol	35.2	20	40	0	88	25	130	7.67	20	
2,4-Dinitrotoluene	42.2	4	40	0	106	51	120	0.475	20	
2,6-Dinitrotoluene	43.8	4	40	0	110	49	120	0	20	
2-Chloronaphthalene	40	4	40	0	100	49	120	0.499	20	
2-Chlorophenol	29.6	4	40	0	74	37	120	2.74	20	
2-Methylnaphthalene	51.2	4	40	10.6	102	45	105	3.98	20	
2-Methylphenol	29.6	4	40	0	74	38	120	6.27	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2-Nitroaniline	42.6	4	40	0	106	48	120	1.86	20	
2-Nitrophenol	32.8	4	40	0	82	39	123	7.59	20	
3,3´-Dichlorobenzidine	ND	4	40	0	0	20	120	0	20	S
3-Nitroaniline	37.2	4	40	0	93	20	126	0	20	
4,6-Dinitro-2-methylphenol	34.6	10	40	0	86.5	40	130	2.34	20	
4-Bromophenyl phenyl ether	44	4	40	0	110	52	120	1.80	20	
4-Chloro-3-methylphenol	33.2	4	40	0	83	47	120	5.57	20	
4-Chloroaniline	33.2	10	40	0	83	20	120	0.601	20	
4-Chlorophenyl phenyl ether	41.4	4	40	0	104	50	120	0.962	20	
4-Methylphenol	32	4	40	3	72.5	32	120	5.13	20	
4-Nitroaniline	35.8	4	40	0	89.5	36	120	0	20	
4-Nitrophenol	16.2	20	40	0	40.5	20	120	10.4	20	
Acenaphthene	41	4	40	0	103	45	110	1.45	20	
Acenaphthylene	54	4	40	0	135	50	105	1.10	20	S
Aniline	30.6	4	40	0	76.5	10	140	9.35	20	
Anthracene	42.4	4	40	0	106	55	110	1.87	20	
Benzo[a]anthracene	40.2	4	40	0	100	55	110	1.48	20	
Benzo[a]pyrene	41.8	4	40	0	104	55	110	0	20	
Benzo[b]fluoranthene	38.8	4	40	0	97	45	120	2.08	20	
Benzo[g,h,i]perylene	41	4	40	0	103	38	123	0.980	20	
Benzo[k]fluoranthene	41	4	40	0	103	45	125	1.93	20	
Benzoic acid	11.2	10	40	0	28	20	120	33.3	20	R
Benzyl alcohol	34.8	10	40	0	87	30	120	5.92	20	
Bis(2-chloroethoxy)methane	40.2	4	40	0	100	46	120	1.48	20	
Bis(2-chloroethyl)ether	40.2	4	40	0	100	37	120	2.46	20	
Bis(2-chloroisopropyl)ether	39.6	4	40	0	99	26	131	5.41	20	
Bis(2-ethylhexyl)phthalate	41.4	4	40	0	104	42	126	2.39	20	
Butyl benzyl phthalate	40.8	10	40	0	102	46	120	2.42	20	
Carbazole	42.2	4	40	0	106	26	125	2.34	20	
Chrysene	39.2	4	40	0	98	55	110	3.51	20	
Di-n-butyl phthalate	42	10	40	0	105	54	120	2.82	20	
Di-n-octyl phthalate	43.6	10	40	0	109	37	137	0.460	20	
Dibenz[a,h]anthracene	40.4	4	40	0	101	42	127	0.494	20	
Dibenzofuran	40.4	4	40	0	101	54	120	2.93	20	
Diethyl phthalate	41.2	10	40	0	103	41	120	0.966	20	
Dimethyl phthalate	41.6	10	40	0	104	25	127	0.480	20	
Fluoranthene	42.6	4	40	0	106	55	115	3.23	20	
Fluorene	42.4	4	40	1	104	50	110	1.41	20	
Hexachlorobenzene	43.4	4	40	0	108	52	120	0.917	20	
Hexachlorobutadiene	38.6	4	40	0	96.5	27	120	1.57	20	
Hexachlorocyclopentadiene	52	10	40	0	130	27	125	1.53	20	S
Hexachloroethane	36.8	4	40	0	92	28	120	2.15	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Indeno[1,2,3-cd]pyrene	40.4	4	40	0	101	45	125	0.494	20	
Isophorone	42.4	4	40	0	106	50	120	0	20	
N-Nitrosodi-n-propylamine	39.2	4	40	0	98	34	128	2.02	20	
N-Nitrosodiphenylamine	45.8	4	40	0	114	48	120	1.73	20	
Naphthalene	56.8	4	40	15.6	103	40	100	3.22	20	S
Nitrobenzene	40.6	4	40	0	102	44	120	1.47	20	
Pentachlorophenol	36.8	4	40	0	92	38	120	4.44	20	
Phenanthrene	42.6	4	40	0	106	50	115	0	20	
Phenol	13.8	4	40	0	34.5	20	120	5.97	20	
Pyrene	39.6	4	40	0	99	50	130	0.504	20	
Pyridine	19.8	10	40	0	49.5	20	110	32.9	20	R
Surr: 2,4,6-Tribromophenol	76.6	0	80	0	95.8	42	124	0	0	
Surr: 2-Fluorobiphenyl	64.4	0	80	0	80.5	48	120	0	0	
Surr: 2-Fluorophenol	44.8	0	80	0	56	20	120	0	0	
Surr: 4-Terphenyl-d14	65.2	0	80	0	81.5	51	135	0	0	
Surr: Nitrobenzene-d5	62	0	80	0	77.5	41	120	0	0	
Surr: Phenol-d6	30.6	0	80	0	38.2	20	120	0	0	

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3950	4	4000	0	98.8	80	120	0		
1,2-Dichlorobenzene	4050	4	4000	0	101	80	120	0		
1,3-Dichlorobenzene	3990	4	4000	0	99.8	80	120	0		
1,4-Dichlorobenzene	3480	4	4000	0	87	80	120	0		
2,4,5-Trichlorophenol	4090	4	4000	0	102	80	120	0		
2,4,6-Trichlorophenol	4070	4	4000	0	102	80	120	0		
2,4-Dichlorophenol	4130	4	4000	0	103	80	120	0		
2,4-Dimethylphenol	3360	4	4000	0	84	80	120	0		
2,4-Dinitrophenol	3650	20	4000	0	91.2	80	120	0		
2,4-Dinitrotoluene	4020	4	4000	0	101	80	120	0		
2,6-Dinitrotoluene	4120	4	4000	0	103	80	120	0		
2-Chloronaphthalene	3820	4	4000	0	95.5	80	120	0		
2-Chlorophenol	4100	4	4000	0	103	80	120	0		
2-Methylnaphthalene	3900	4	4000	0	97.5	80	120	0		
2-Methylphenol	4000	4	4000	0	100	80	120	0		
2-Nitroaniline	3880	4	4000	0	97	80	120	0		
2-Nitrophenol	4120	4	4000	0	103	80	120	0		
3,3´-Dichlorobenzidine	3970	4	4000	0	99.2	70	130	0		
3-Nitroaniline	4070	4	4000	0	102	80	120	0		
4,6-Dinitro-2-methylphenol	4070	10	4000	0	102	70	130	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	4150	4	4000	0	104	80	120	0		
4-Chloro-3-methylphenol	3980	4	4000	0	99.5	70	130	0		
4-Chloroaniline	3800	10	4000	0	95	80	120	0		
4-Chlorophenyl phenyl ether	4010	4	4000	0	100	80	120	0		
4-Methylphenol	4000	4	4000	0	100	80	120	0		
4-Nitroaniline	3990	4	4000	0	99.8	80	120	0		
4-Nitrophenol	3620	20	4000	0	90.5	60	140	0		
Acenaphthene	3850	4	4000	0	96.2	80	120	0		
Acenaphthylene	3790	4	4000	0	94.8	80	120	0		
Aniline	4020	4	4000	0	101	80	120	0		
Anthracene	3740	4	4000	0	93.5	80	120	0		
Benzo[a]anthracene	3720	4	4000	0	93	80	120	0		
Benzo[a]pyrene	3870	4	4000	0	96.8	80	120	0		
Benzo[b]fluoranthene	3850	4	4000	0	96.2	80	120	0		
Benzo[g,h,i]perylene	3960	4	4000	0	99	80	120	0		
Benzo[k]fluoranthene	3810	4	4000	0	95.2	80	120	0		
Benzoic acid	3870	10	4000	0	96.8	70	130	0		
Benzyl alcohol	4120	10	4000	0	103	70	130	0		
Bis(2-chloroethoxy)methane	3820	4	4000	0	95.5	80	120	0		
Bis(2-chloroethyl)ether	4180	4	4000	0	104	80	120	0		
Bis(2-chloroisopropyl)ether	3990	4	4000	0	99.8	80	120	0		
Bis(2-ethylhexyl)phthalate	3770	4	4000	0	94.3	80	120	0		
Butyl benzyl phthalate	3640	10	4000	0	91	80	120	0		
Carbazole	3870	4	4000	0	96.8	80	120	0		
Chrysene	3670	4	4000	0	91.8	80	120	0		
Di-n-butyl phthalate	3590	10	4000	0	89.8	80	120	0		
Di-n-octyl phthalate	3900	10	4000	0	97.5	80	120	0		
Dibenz[a,h]anthracene	3970	4	4000	0	99.2	80	120	0		
Dibenzofuran	3960	4	4000	0	99	80	120	0		
Diethyl phthalate	3750	10	4000	0	93.8	80	120	0		
Dimethyl phthalate	3850	10	4000	0	96.2	80	120	0		
Fluoranthene	3870	4	4000	0	96.8	80	120	0		
Fluorene	3860	4	4000	0	96.5	80	120	0		
Hexachlorobenzene	4110	4	4000	0	103	80	120	0		
Hexachlorobutadiene	4050	4	4000	0	101	80	120	0		
Hexachlorocyclopentadiene	3320	10	4000	0	83	70	130	0		
Hexachloroethane	4050	4	4000	0	101	80	120	0		
Indeno[1,2,3-cd]pyrene	3980	4	4000	0	99.5	80	120	0		
Isophorone	3860	4	4000	0	96.5	80	120	0		
N-Nitrosodi-n-propylamine	3910	4	4000	0	97.8	80	120	0		
N-Nitrosodiphenylamine	3870	4	4000	0	96.8	80	120	0		
Naphthalene	3870	4	4000	0	96.8	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrobenzene	3860	4	4000	0	96.5	80	120	0		
Pentachlorophenol	4380	4	4000	0	110	80	120	0		
Phenanthrene	3790	4	4000	0	94.8	80	120	0		
Phenol	3770	4	4000	0	94.3	80	120	0		
Pyrene	3700	4	4000	0	92.5	80	120	0		
Pyridine	4760	10	4000	0	119	70	130	0		
Surr: 2,4,6-Tribromophenol	4400	0	4000	0	110	80	120	0		
Surr: 2-Fluorobiphenyl	3960	0	4000	0	99	80	120	0		
Surr: 2-Fluorophenol	4310	0	4000	0	108	80	120	0		
Surr: 4-Terphenyl-d14	3860	0	4000	0	96.5	80	120	0		
Surr: Nitrobenzene-d5	3910	0	4000	0	97.8	80	120	0		
Surr: Phenol-d6	4110	0	4000	0	103	80	120	0		

Sample ID **ICV2-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 1:21:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	4020	4	4000	0	101	80	120	0		
1,2-Dichlorobenzene	4010	4	4000	0	100	80	120	0		
1,3-Dichlorobenzene	3950	4	4000	0	98.8	80	120	0		
1,4-Dichlorobenzene	3620	4	4000	0	90.5	80	120	0		
2,4,5-Trichlorophenol	4050	4	4000	0	101	80	120	0		
2,4,6-Trichlorophenol	4080	4	4000	0	102	80	120	0		
2,4-Dichlorophenol	4190	4	4000	0	105	80	120	0		
2,4-Dimethylphenol	3250	4	4000	0	81.2	80	120	0		
2,4-Dinitrophenol	3850	20	4000	0	96.2	80	120	0		
2,4-Dinitrotoluene	3980	4	4000	0	99.5	80	120	0		
2,6-Dinitrotoluene	4170	4	4000	0	104	80	120	0		
2-Chloronaphthalene	3860	4	4000	0	96.5	80	120	0		
2-Chlorophenol	4050	4	4000	0	101	80	120	0		
2-Methylnaphthalene	3940	4	4000	0	98.5	80	120	0		
2-Methylphenol	3940	4	4000	0	98.5	80	120	0		
2-Nitroaniline	3810	4	4000	0	95.2	80	120	0		
2-Nitrophenol	4220	4	4000	0	106	80	120	0		
3,3´-Dichlorobenzidine	4110	4	4000	0	103	70	130	0		
3-Nitroaniline	4130	4	4000	0	103	80	120	0		
4,6-Dinitro-2-methylphenol	4240	10	4000	0	106	70	130	0		
4-Bromophenyl phenyl ether	4250	4	4000	0	106	80	120	0		
4-Chloro-3-methylphenol	4030	4	4000	0	101	70	130	0		
4-Chloroaniline	3850	10	4000	0	96.2	80	120	0		
4-Chlorophenyl phenyl ether	4030	4	4000	0	101	80	120	0		
4-Methylphenol	3880	4	4000	0	97	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **ICV2-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 1:21:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Nitroaniline	3960	4	4000	0	99	80	120	0		
4-Nitrophenol	3670	20	4000	0	91.8	60	140	0		
Acenaphthene	3810	4	4000	0	95.2	80	120	0		
Acenaphthylene	3790	4	4000	0	94.8	80	120	0		
Aniline	3920	4	4000	0	98	80	120	0		
Anthracene	3790	4	4000	0	94.8	80	120	0		
Benzo[a]anthracene	3670	4	4000	0	91.8	80	120	0		
Benzo[a]pyrene	3890	4	4000	0	97.2	80	120	0		
Benzo[b]fluoranthene	3920	4	4000	0	98	80	120	0		
Benzo[g,h,i]perylene	3900	4	4000	0	97.5	80	120	0		
Benzo[k]fluoranthene	3740	4	4000	0	93.5	80	120	0		
Benzoic acid	4100	10	4000	0	103	70	130	0		
Benzyl alcohol	4130	10	4000	0	103	70	130	0		
Bis(2-chloroethoxy)methane	3890	4	4000	0	97.2	80	120	0		
Bis(2-chloroethyl)ether	4090	4	4000	0	102	80	120	0		
Bis(2-chloroisopropyl)ether	3830	4	4000	0	95.8	80	120	0		
Bis(2-ethylhexyl)phthalate	3820	4	4000	0	95.5	80	120	0		
Butyl benzyl phthalate	3700	10	4000	0	92.5	80	120	0		
Carbazole	3930	4	4000	0	98.2	80	120	0		
Chrysene	3740	4	4000	0	93.5	80	120	0		
Di-n-butyl phthalate	3670	10	4000	0	91.8	80	120	0		
Di-n-octyl phthalate	4020	10	4000	0	101	80	120	0		
Dibenz[a,h]anthracene	3950	4	4000	0	98.8	80	120	0		
Dibenzofuran	3920	4	4000	0	98	80	120	0		
Diethyl phthalate	3740	10	4000	0	93.5	80	120	0		
Dimethyl phthalate	3900	10	4000	0	97.5	80	120	0		
Fluoranthene	3920	4	4000	0	98	80	120	0		
Fluorene	3870	4	4000	0	96.8	80	120	0		
Hexachlorobenzene	4170	4	4000	0	104	80	120	0		
Hexachlorobutadiene	4130	4	4000	0	103	80	120	0		
Hexachlorocyclopentadiene	3330	10	4000	0	83.2	70	130	0		
Hexachloroethane	3960	4	4000	0	99	80	120	0		
Indeno[1,2,3-cd]pyrene	3960	4	4000	0	99	80	120	0		
Isophorone	3880	4	4000	0	97	80	120	0		
N-Nitrosodi-n-propylamine	3850	4	4000	0	96.2	80	120	0		
N-Nitrosodiphenylamine	3980	4	4000	0	99.5	80	120	0		
Naphthalene	3910	4	4000	0	97.8	80	120	0		
Nitrobenzene	3850	4	4000	0	96.2	80	120	0		
Pentachlorophenol	4490	4	4000	0	112	80	120	0		
Phenanthrene	3850	4	4000	0	96.2	80	120	0		
Phenol	3730	4	4000	0	93.2	80	120	0		
Pyrene	3670	4	4000	0	91.8	80	120	0		

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **ICV2-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 1:21:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Pyridine	4730	10	4000	0	118	70	130	0		
Surr: 2,4,6-Tribromophenol	4710	0	4000	0	118	80	120	0		
Surr: 2-Fluorobiphenyl	4030	0	4000	0	101	80	120	0		
Surr: 2-Fluorophenol	4230	0	4000	0	106	80	120	0		
Surr: 4-Terphenyl-d14	3830	0	4000	0	95.8	80	120	0		
Surr: Nitrobenzene-d5	3970	0	4000	0	99.2	80	120	0		
Surr: Phenol-d6	4040	0	4000	0	101	80	120	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**MB-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 12:06:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,1,2-Trichloroethane	ND	1								
1,1-Dichloroethane	ND	1								
1,1-Dichloroethene	ND	1								
1,1-Dichloropropene	ND	1								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	1								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	10								
1,2-Dibromoethane	ND	1								
1,2-Dichlorobenzene	ND	1								
1,2-Dichloroethane	ND	1								
1,2-Dichloropropane	ND	1								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	1								
1,3-Dichloropropane	ND	1								
1,4-Dichlorobenzene	ND	1								
2,2-Dichloropropane	ND	1								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	1								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	1								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	15								
Benzene	ND	1								
Bromobenzene	ND	1								
Bromochloromethane	ND	1								
Bromodichloromethane	ND	1								
Bromoform	ND	1								
Bromomethane	ND	1								
Carbon disulfide	ND	15								
Carbon tetrachloride	ND	1								
Chlorobenzene	ND	1								
Chloroethane	ND	1								
Chloroform	ND	1								
Chloromethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
cis-1,3-Dichloropropene	ND	1								

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R - RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**MB-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 12:06:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1								
Dibromomethane	ND	1								
Dichlorodifluoromethane	ND	1								
Ethylbenzene	ND	1								
Hexachlorobutadiene	ND	3								
Iodomethane	ND	15								
Isopropylbenzene	ND	1								
m,p-Xylene	ND	2								
Methyl tert-butyl ether	ND	1								
Methylene chloride	ND	2.5								
n-Butylbenzene	ND	1								
n-Propylbenzene	ND	1								
Naphthalene	ND	15								
o-Xylene	ND	1								
p-Isopropyltoluene	ND	1								
sec-Butylbenzene	ND	1								
Styrene	ND	1								
tert-Butylbenzene	ND	1								
Tetrachloroethene	ND	2								
Toluene	ND	2								
trans-1,2-Dichloroethene	ND	1								
trans-1,3-Dichloropropene	ND	1								
Trichloroethene	ND	2								
Trichlorofluoromethane	ND	1								
Vinyl chloride	ND	1								
Surr: 1,2-Dichloroethane-d4	51.95	0	50	0	104	72	119	0		
Surr: 4-Bromofluorobenzene	50.52	0	50	0	101	76	119	0		
Surr: Dibromofluoromethane	53.35	0	50	0	107	85	115	0		
Surr: Toluene-d8	48.11	0	50	0	96.2	81	120	0		

Sample ID	**LCS-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**LCS**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 11:09:00 PM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	23.75	1	23.2	0	102	81	129	0		
1,1,1-Trichloroethane	25.15	1	23.2	0	108	67	132	0		
1,1,2,2-Tetrachloroethane	22.75	1	23.2	0	98.1	63	128	0		
1,1,2-Trichloroethane	24.77	1	23.2	0	107	75	125	0		
1,1-Dichloroethane	24.74	1	23.2	0	107	69	133	0		
1,1-Dichloroethene	24.84	1	23.2	0	107	68	130	0		
1,1-Dichloropropene	23.27	1	23.2	0	100	73	132	0		
1,2,3-Trichlorobenzene	20.77	5	23.2	0	89.5	67	137	0		

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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **LCS-18332**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/14/2005 11:09:00 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	23.85	1	23.2	0	103	73	124	0		
1,2,4-Trichlorobenzene	19.85	5	23.2	0	85.6	66	134	0		
1,2,4-Trimethylbenzene	22.58	5	23.2	0	97.3	74	132	0		
1,2-Dibromo-3-chloropropane	20.31	10	23.2	0	87.5	50	132	0		
1,2-Dibromoethane	23.82	1	23.2	0	103	80	121	0		
1,2-Dichlorobenzene	21.54	1	23.2	0	92.8	75	125	0		
1,2-Dichloroethane	25.2	1	23.2	0	109	68	127	0		
1,2-Dichloropropane	25.22	1	23.2	0	109	75	125	0		
1,3,5-Trimethylbenzene	23.7	5	23.2	0	102	74	131	0		
1,3-Dichlorobenzene	24.13	1	23.2	0	104	75	124	0		
1,3-Dichloropropane	21.59	1	23.2	0	93.1	73	126	0		
1,4-Dichlorobenzene	23.91	1	23.2	0	103	74	123	0		
2,2-Dichloropropane	23.86	1	23.2	0	103	69	137	0		
2-Butanone	24.07	15	23.2	0	104	60	135	0		
2-Chloroethylvinylether	19.46	15	23.2	0	83.9	50	150	0		
2-Chlorotoluene	21.99	1	23.2	0	94.8	73	126	0		
2-Hexanone	23.84	15	23.2	0	103	50	150	0		
4-Chlorotoluene	22.05	1	23.2	0	95	74	128	0		
4-Methyl-2-pentanone	21.04	15	23.2	0	90.7	60	135	0		
Acetone	25.06	15	23.2	0	108	40	135	0		
Benzene	26	1	23.2	0	112	80	120	0		
Bromobenzene	22.98	1	23.2	0	99.1	76	124	0		
Bromochloromethane	25.16	1	23.2	0	108	65	129	0		
Bromodichloromethane	25.13	1	23.2	0	108	76	121	0		
Bromoform	24.78	1	23.2	0	107	69	128	0		
Bromomethane	23.22	1	23.2	0	100	53	141	0		
Carbon disulfide	25.19	15	23.2	0	109	50	150	0		
Carbon tetrachloride	24.28	1	23.2	0	105	66	138	0		
Chlorobenzene	22.77	1	23.2	0	98.1	81	122	0		
Chloroethane	23.95	1	23.2	0	103	58	133	0		
Chloroform	24.93	1	23.2	0	107	69	128	0		
Chloromethane	26.54	1	23.2	0	114	56	131	0		
cis-1,2-Dichloroethene	26.19	1	23.2	0	113	72	126	0		
cis-1,3-Dichloropropene	23.28	1	23.2	0	100	69	131	0		
Dibromochloromethane	22.88	1	23.2	0	98.6	66	133	0		
Dibromomethane	24.46	1	23.2	0	105	76	125	0		
Dichlorodifluoromethane	23.34	1	23.2	0	101	53	153	0		
Ethylbenzene	25.36	1	23.2	0	109	80	120	0		
Hexachlorobutadiene	24	3	23.2	0	103	67	131	0		
Iodomethane	27.03	15	23.2	0	117	50	150	0		
Isopropylbenzene	21.35	1	23.2	0	92	75	127	0		
m,p-Xylene	50.6	2	46.4	0	109	80	120	0		

Qualifiers:
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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **LCS-18332**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/14/2005 11:09:00 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	25.26	1	23.2	0	109	68	130	0		
Methylene chloride	25.81	2.5	23.2	0	111	63	137	0		
n-Butylbenzene	21.2	1	23.2	0	91.4	69	137	0		
n-Propylbenzene	23.06	1	23.2	0	99.4	72	129	0		
Naphthalene	21.64	15	23.2	0	93.3	54	138	0		
o-Xylene	21.24	1	23.2	0	91.6	80	120	0		
p-Isopropyltoluene	21.42	1	23.2	0	92.3	73	130	0		
sec-Butylbenzene	22	1	23.2	0	94.8	72	127	0		
Styrene	22.09	1	23.2	0	95.2	65	134	0		
tert-Butylbenzene	21.81	1	23.2	0	94	70	129	0		
Tetrachloroethene	22.75	2	23.2	0	98.1	66	128	0		
Toluene	25.16	2	23.2	0	108	80	120	0		
trans-1,2-Dichloroethene	25.2	1	23.2	0	109	63	137	0		
trans-1,3-Dichloropropene	24.39	1	23.2	0	105	59	135	0		
Trichloroethene	24.38	2	23.2	0	105	70	127	0		
Trichlorofluoromethane	25.19	1	23.2	0	109	57	129	0		
Vinyl chloride	25.49	1	23.2	0	110	50	134	0		
Surr: 1,2-Dichloroethane-d4	53.04	0	50	0	106	72	119	0		
Surr: 4-Bromofluorobenzene	48.81	0	50	0	97.6	76	119	0		
Surr: Dibromofluoromethane	52.67	0	50	0	105	85	115	0		
Surr: Toluene-d8	47.83	0	50	0	95.7	81	120	0		

Sample ID **0502068-05A MS**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 9:41:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.79	1	23.2	0	93.9	81	129	0		
1,1,1-Trichloroethane	24.48	1	23.2	0	106	67	132	0		
1,1,2,2-Tetrachloroethane	21.73	1	23.2	0	93.7	63	128	0		
1,1,2-Trichloroethane	23.39	1	23.2	0	101	75	125	0		
1,1-Dichloroethane	24	1	23.2	0	103	69	133	0		
1,1-Dichloroethene	24.78	1	23.2	0	107	68	130	0		
1,1-Dichloropropene	23.47	1	23.2	0	101	73	132	0		
1,2,3-Trichlorobenzene	22.98	5	23.2	0	99.1	67	137	0		
1,2,3-Trichloropropane	22.81	1	23.2	0	98.3	73	124	0		
1,2,4-Trichlorobenzene	24.72	5	23.2	0	107	66	134	0		
1,2,4-Trimethylbenzene	28.25	5	23.2	3.58	106	74	132	0		
1,2-Dibromo-3-chloropropane	22.15	10	23.2	0	95.5	50	132	0		
1,2-Dibromoethane	21.53	1	23.2	0	92.8	80	121	0		
1,2-Dichlorobenzene	21.34	1	23.2	0	92	75	125	0		
1,2-Dichloroethane	24.14	1	23.2	0	104	68	127	0		
1,2-Dichloropropane	24.63	1	23.2	0	106	75	125	0		

Qualifiers:
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MS**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MS**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 9:41:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	25.54	5	23.2	0	110	74	131	0		
1,3-Dichlorobenzene	23.67	1	23.2	0	102	75	124	0		
1,3-Dichloropropane	20.16	1	23.2	0	86.9	73	126	0		
1,4-Dichlorobenzene	23.23	1	23.2	0	100	74	123	0		
2,2-Dichloropropane	26.65	1	23.2	0	115	69	137	0		
2-Butanone	24.18	15	23.2	0	104	60	135	0		
2-Chlorotoluene	22.35	1	23.2	0	96.3	73	126	0		
2-Hexanone	24.62	15	23.2	0	106	50	150	0		
4-Chlorotoluene	22.26	1	23.2	1.3	90.3	74	128	0		
4-Methyl-2-pentanone	21.9	15	23.2	0	94.4	60	135	0		
Acetone	28.2	15	23.2	0	122	40	135	0		
Benzene	25.51	1	23.2	0.49	108	80	120	0		
Bromobenzene	21.85	1	23.2	0	94.2	76	124	0		
Bromochloromethane	23.51	1	23.2	0	101	65	129	0		
Bromodichloromethane	23.87	1	23.2	0	103	76	121	0		
Bromoform	21.68	1	23.2	0	93.4	69	128	0		
Bromomethane	20.94	1	23.2	0	90.3	53	141	0		
Carbon disulfide	26.01	15	23.2	0	112	50	150	0		
Carbon tetrachloride	23.7	1	23.2	0	102	66	138	0		
Chlorobenzene	21.04	1	23.2	0	90.7	81	122	0		
Chloroethane	26.27	1	23.2	0	113	58	133	0		
Chloroform	24.13	1	23.2	0	104	69	128	0		
Chloromethane	24.33	1	23.2	0	105	56	131	0		
cis-1,2-Dichloroethene	28.12	1	23.2	2.4	111	72	126	0		
cis-1,3-Dichloropropene	19.5	1	23.2	0	84.1	69	131	0		
Dibromochloromethane	20.88	1	23.2	0	90	66	133	0		
Dibromomethane	23.86	1	23.2	0	103	76	125	0		
Dichlorodifluoromethane	27.55	1	23.2	0	119	53	153	0		
Ethylbenzene	24.91	1	23.2	1.33	102	80	120	0		
Hexachlorobutadiene	27.1	3	23.2	0	117	67	131	0		
Iodomethane	29.27	15	23.2	0	126	50	150	0		
Isopropylbenzene	20.8	1	23.2	2.19	80.2	75	127	0		
m,p-Xylene	51.65	2	46.4	0	111	80	120	0		
Methyl tert-butyl ether	26.6	1	23.2	0	115	68	130	0		
Methylene chloride	26.01	2.5	23.2	0	112	63	137	0		
n-Butylbenzene	24.11	1	23.2	0	104	69	137	0		
n-Propylbenzene	23.94	1	23.2	0.62	101	72	129	0		
Naphthalene	48.61	15	23.2	22.56	112	54	138	0		
o-Xylene	23.17	1	23.2	3.33	85.5	80	120	0		
p-Isopropyltoluene	22.99	1	23.2	2.4	88.8	73	130	0		
sec-Butylbenzene	22.45	1	23.2	0	96.8	72	127	0		
Styrene	20.74	1	23.2	0	89.4	65	134	0		

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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **0502068-05A MS**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 9:41:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
tert-Butylbenzene	21.98	1	23.2	0	94.7	70	129	0		
Tetrachloroethene	21.24	2	23.2	0	91.6	66	128	0		
Toluene	27.05	2	23.2	1.14	112	80	120	0		
trans-1,2-Dichloroethene	24.97	1	23.2	0	108	63	137	0		
trans-1,3-Dichloropropene	23.14	1	23.2	0	99.7	59	135	0		
Trichloroethene	23.8	2	23.2	0	103	70	127	0		
Trichlorofluoromethane	26.56	1	23.2	0	114	57	129	0		
Vinyl chloride	26.69	1	23.2	0	115	50	134	0		
Surr: 1,2-Dichloroethane-d4	53.29	0	50	0	107	72	119	0		
Surr: 4-Bromofluorobenzene	50.26	0	50	0	101	76	119	0		
Surr: Dibromofluoromethane	52.64	0	50	0	105	85	115	0		
Surr: Toluene-d8	46.21	0	50	0	92.4	81	120	0		

Sample ID **0502068-05A MSD**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 10:10:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.13	1	23.2	0	95.4	81	129	1.55	20	
1,1,1-Trichloroethane	25.82	1	23.2	0	111	67	132	5.33	20	
1,1,2,2-Tetrachloroethane	22.68	1	23.2	0	97.8	63	128	4.28	20	
1,1,2-Trichloroethane	24.54	1	23.2	0	106	75	125	4.80	20	
1,1-Dichloroethane	25.64	1	23.2	0	111	69	133	6.61	20	
1,1-Dichloroethene	26.18	1	23.2	0	113	68	130	5.49	20	
1,1-Dichloropropene	25.19	1	23.2	0	109	73	132	7.07	20	
1,2,3-Trichlorobenzene	24.3	5	23.2	0	105	67	137	5.58	20	
1,2,3-Trichloropropane	23.76	1	23.2	0	102	73	124	4.08	20	
1,2,4-Trichlorobenzene	25.64	5	23.2	0	111	66	134	3.65	20	
1,2,4-Trimethylbenzene	29.23	5	23.2	3.58	111	74	132	3.41	20	
1,2-Dibromo-3-chloropropane	24.42	10	23.2	0	105	50	132	9.75	20	
1,2-Dibromoethane	22.84	1	23.2	0	98.4	80	121	5.90	20	
1,2-Dichlorobenzene	21.67	1	23.2	0	93.4	75	125	1.53	20	
1,2-Dichloroethane	26.24	1	23.2	0	113	68	127	8.34	20	
1,2-Dichloropropane	26.65	1	23.2	0	115	75	125	7.88	20	
1,3,5-Trimethylbenzene	26.78	5	23.2	0	115	74	131	4.74	20	
1,3-Dichlorobenzene	24.64	1	23.2	0	106	75	124	4.02	20	
1,3-Dichloropropane	21.38	1	23.2	0	92.2	73	126	5.87	20	
1,4-Dichlorobenzene	23.59	1	23.2	0	102	74	123	1.54	20	
2,2-Dichloropropane	28.55	1	23.2	0	123	69	137	6.88	20	
2-Butanone	26.67	15	23.2	0	115	60	135	9.79	20	
2-Chlorotoluene	23.72	1	23.2	0	102	73	126	5.95	20	
2-Hexanone	27.43	15	23.2	0	118	50	150	10.8	20	
4-Chlorotoluene	23.33	1	23.2	1.3	95	74	128	4.69	20	

Qualifiers:
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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MSD**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 10:10:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	23.61	15	23.2	0	102	60	135	7.51	20	
Acetone	30.51	15	23.2	0	132	40	135	7.87	20	
Benzene	27.41	1	23.2	0.49	116	80	120	7.18	20	
Bromobenzene	22.7	1	23.2	0	97.8	76	124	3.82	20	
Bromochloromethane	24.34	1	23.2	0	105	65	129	3.47	20	
Bromodichloromethane	25.26	1	23.2	0	109	76	121	5.66	20	
Bromoform	21.87	1	23.2	0	94.3	69	128	0.873	20	
Bromomethane	22.88	1	23.2	0	98.6	53	141	8.85	20	
Carbon disulfide	27.31	15	23.2	0	118	50	150	4.88	20	
Carbon tetrachloride	25.26	1	23.2	0	109	66	138	6.37	20	
Chlorobenzene	21.25	1	23.2	0	91.6	81	122	0.993	20	
Chloroethane	28.6	1	23.2	0	123	58	133	8.49	20	
Chloroform	25.58	1	23.2	0	110	69	128	5.83	20	
Chloromethane	27.22	1	23.2	0	117	56	131	11.2	20	
cis-1,2-Dichloroethene	30.31	1	23.2	2.4	120	72	126	7.50	20	
cis-1,3-Dichloropropene	21.36	1	23.2	0	92.1	69	131	9.10	20	
Dibromochloromethane	21.82	1	23.2	0	94.1	66	133	4.40	20	
Dibromomethane	24.61	1	23.2	0	106	76	125	3.09	20	
Dichlorodifluoromethane	29.8	1	23.2	0	128	53	153	7.85	20	
Ethylbenzene	25.26	1	23.2	1.33	103	80	120	1.40	20	
Hexachlorobutadiene	27.94	3	23.2	0	120	67	131	3.05	20	
Iodomethane	31.92	15	23.2	0	138	50	150	8.66	20	
Isopropylbenzene	22.37	1	23.2	2.19	87	75	127	7.27	20	
m,p-Xylene	53.17	2	46.4	0	115	80	120	2.90	20	
Methyl tert-butyl ether	29.31	1	23.2	0	126	68	130	9.69	20	
Methylene chloride	27.67	2.5	23.2	0	119	63	137	6.18	20	
n-Butylbenzene	25.09	1	23.2	0	108	69	137	3.98	20	
n-Propylbenzene	24.83	1	23.2	0.62	104	72	129	3.65	20	
Naphthalene	51.6	15	23.2	22.56	125	54	138	5.97	20	
o-Xylene	24.56	1	23.2	3.33	91.5	80	120	5.82	20	
p-Isopropyltoluene	23.82	1	23.2	2.4	92.3	73	130	3.55	20	
sec-Butylbenzene	23.14	1	23.2	0	99.7	72	127	3.03	20	
Styrene	21.66	1	23.2	0	93.4	65	134	4.34	20	
tert-Butylbenzene	22.84	1	23.2	0	98.4	70	129	3.84	20	
Tetrachloroethene	21.47	2	23.2	0	92.5	66	128	1.08	20	
Toluene	27.73	2	23.2	1.14	115	80	120	2.48	20	
trans-1,2-Dichloroethene	26.84	1	23.2	0	116	63	137	7.22	20	
trans-1,3-Dichloropropene	24.88	1	23.2	0	107	59	135	7.25	20	
Trichloroethene	24.93	2	23.2	0	107	70	127	4.64	20	
Trichlorofluoromethane	27.72	1	23.2	0	119	57	129	4.27	20	
Vinyl chloride	28.38	1	23.2	0	122	50	134	6.14	20	
Surr: 1,2-Dichloroethane-d4	54.52	0	50	0	109	72	119	0	0	

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ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MSD**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 10:10:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	52.16	0	50	0	104	76	119	0	0	
Surr: Dibromofluoromethane	53.08	0	50	0	106	85	115	0	0	
Surr: Toluene-d8	45.45	0	50	0	90.9	81	120	0	0	

Sample ID	**ICV-050214B**	Batch ID:	**R21020**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 10:40:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	44.2	1	46.4	0	95.3	80	120	0		
1,1,1-Trichloroethane	47.64	1	46.4	0	103	80	120	0		
1,1,2,2-Tetrachloroethane	45.07	1	46.4	0	97.1	80	120	0		
1,1,2-Trichloroethane	49.67	1	46.4	0	107	80	120	0		
1,1-Dichloroethane	47.87	1	46.4	0	103	80	120	0		
1,1-Dichloroethene	46.67	1	46.4	0	101	80	120	0		
1,1-Dichloropropene	46.77	1	46.4	0	101	80	120	0		
1,2,3-Trichlorobenzene	40.51	5	46.4	0	87.3	80	120	0		
1,2,3-Trichloropropane	45.84	1	46.4	0	98.8	80	120	0		
1,2,4-Trichlorobenzene	40.08	5	46.4	0	86.4	80	120	0		
1,2,4-Trimethylbenzene	44.06	5	46.4	0	95	80	120	0		
1,2-Dibromo-3-chloropropane	37.79	10	46.4	0	81.4	80	120	0		
1,2-Dibromoethane	47.78	1	46.4	0	103	80	120	0		
1,2-Dichlorobenzene	42.41	1	46.4	0	91.4	80	120	0		
1,2-Dichloroethane	48.6	1	46.4	0	105	80	120	0		
1,2-Dichloropropane	51.03	1	46.4	0	110	80	120	0		
1,3,5-Trimethylbenzene	46.55	5	46.4	0	100	80	120	0		
1,3-Dichlorobenzene	48.04	1	46.4	0	104	80	120	0		
1,3-Dichloropropane	42.37	1	46.4	0	91.3	80	120	0		
1,4-Dichlorobenzene	45.84	1	46.4	0	98.8	80	120	0		
2,2-Dichloropropane	47.33	1	46.4	0	102	80	120	0		
2-Butanone	47.73	15	46.4	0	103	80	120	0		
2-Chloroethylvinylether	41.91	15	46.4	0	90.3	80	120	0		
2-Chlorotoluene	42.62	1	46.4	0	91.9	80	120	0		
2-Hexanone	46.73	15	46.4	0	101	80	120	0		
4-Chlorotoluene	43.39	1	46.4	0	93.5	80	120	0		
4-Methyl-2-pentanone	43	15	46.4	0	92.7	80	120	0		
Acetone	46.52	15	46.4	0	100	80	120	0		
Benzene	51.55	1	46.4	0	111	80	120	0		
Bromobenzene	46.02	1	46.4	0	99.2	80	120	0		
Bromochloromethane	50.83	1	46.4	0	110	80	120	0		
Bromodichloromethane	48.47	1	46.4	0	104	80	120	0		
Bromoform	49.1	1	46.4	0	106	80	120	0		
Bromomethane	38.78	1	46.4	0	83.6	80	120	0		

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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**ICV-050214B**	Batch ID:	**R21020**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 10:40:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Carbon disulfide	45.89	15	46.4	0	98.9	80	120	0		
Carbon tetrachloride	47.08	1	46.4	0	101	80	120	0		
Chlorobenzene	42.57	1	46.4	0	91.7	80	120	0		
Chloroethane	42.02	1	46.4	0	90.6	80	120	0		
Chloroform	47.58	1	46.4	0	103	80	120	0		
Chloromethane	50.55	1	46.4	0	109	80	120	0		
cis-1,2-Dichloroethene	53.05	1	46.4	0	114	80	120	0		
cis-1,3-Dichloropropene	46.82	1	46.4	0	101	80	120	0		
Dibromochloromethane	46.11	1	46.4	0	99.4	80	120	0		
Dibromomethane	48.47	1	46.4	0	104	80	120	0		
Dichlorodifluoromethane	44.13	1	46.4	0	95.1	80	120	0		
Ethylbenzene	47.76	1	46.4	0	103	80	120	0		
Hexachlorobutadiene	47.88	3	46.4	0	103	80	120	0		
Iodomethane	57.01	15	46.4	0	123	80	120	0		S
Isopropylbenzene	43.43	1	46.4	0	93.6	80	120	0		
m,p-Xylene	101	2	92.8	0	109	80	120	0		
Methyl tert-butyl ether	47.23	1	46.4	0	102	80	120	0		
Methylene chloride	48.15	2.5	46.4	0	104	80	120	0		
n-Butylbenzene	42.21	1	46.4	0	91	80	120	0		
n-Propylbenzene	45.06	1	46.4	0	97.1	80	120	0		
Naphthalene	43.28	15	46.4	0	93.3	80	120	0		
o-Xylene	43.51	1	46.4	0	93.8	80	120	0		
p-Isopropyltoluene	42.9	1	46.4	0	92.5	80	120	0		
sec-Butylbenzene	43.78	1	46.4	0	94.4	80	120	0		
Styrene	45.07	1	46.4	0	97.1	80	120	0		
tert-Butylbenzene	42.83	1	46.4	0	92.3	80	120	0		
Tetrachloroethene	47.72	2	46.4	0	103	80	120	0		
Toluene	50.99	2	46.4	0	110	80	120	0		
trans-1,2-Dichloroethene	46.56	1	46.4	0	100	80	120	0		
trans-1,3-Dichloropropene	49.02	1	46.4	0	106	80	120	0		
Trichloroethene	50.56	2	46.4	0	109	80	120	0		
Trichlorofluoromethane	45.62	1	46.4	0	98.3	80	120	0		
Vinyl chloride	48.33	1	46.4	0	104	80	120	0		
Surr: 1,2-Dichloroethane-d4	51.97	0	50	0	104	72	119	0		
Surr: 4-Bromofluorobenzene	47.83	0	50	0	95.7	76	119	0		
Surr: Dibromofluoromethane	52.13	0	50	0	104	85	115	0		
Surr: Toluene-d8	47.87	0	50	0	95.7	81	120	0		

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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID	MB-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	MBLK	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID	LCS-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCS	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002729	0.001	0.00273	0	100	79	117	0		
Ethane	0.005321	0.002	0.0055	0	96.7	83	120	0		
Ethylene	0.0075	0.003	0.00705	0	106	84	113	0		

Sample ID	LCSD-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCSD	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002631	0.001	0.00273	0	96.4	79	117	3.67	20	
Ethane	0.005321	0.002	0.0055	0	96.7	83	120	0	20	
Ethylene	0.007331	0.003	0.00705	0	104	84	113	2.28	20	

Sample ID	0502061-05B DUP	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	DUP	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.162	0.02	0	0.1961	0	0	0	19.1	20	

Sample ID	0502061-05B DUP	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	DUP	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID	CCV1-050214	Batch ID:	GC5_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	CCV	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000233	0.001	0.000025	0	93.2	80	120	0		
Ethane	0.0000237	0.002	0.000025	0	94.8	80	120	0		
Ethylene	0.0000282	0.003	0.000025	0	113	80	120	0		

Qualifiers:
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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID	**CCV2-050214**	Batch ID:	**GC5_050214A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC5_050214A**	Analysis Date:	**2/14/2005 11:38:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000251	0.001	0.000025	0	100	80	120	0		
Ethane	0.0000256	0.002	0.000025	0	102	80	120	0		
Ethylene	0.0000272	0.003	0.000025	0	109	80	120	0		

Sample ID	**ICV-050214**	Batch ID:	**GC5_050214A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC5_050214A**	Analysis Date:	**2/14/2005 11:38:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000417	0.001	0.00005	0	83.4	80	120	0		
Ethane	0.0000408	0.002	0.00005	0	81.6	80	120	0		
Ethylene	0.0000508	0.003	0.00005	0	102	80	120	0		

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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050210A

Sample ID	MB-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	MBLK	Run ID:	IC_050210A	Analysis Date:	2/10/2005 10:13:46 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	ND	0.5								
Sulfate	ND	3								

Sample ID	LCS-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	LCS	Run ID:	IC_050210A	Analysis Date:	2/10/2005 10:29:06 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.528	0.5	5	0	111	92	112	0		
Sulfate	32.35	3	30	0	108	90	110	0		

Sample ID	LCSD-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	LCSD	Run ID:	IC_050210A	Analysis Date:	2/10/2005 10:44:26 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.424	0.5	5	0	108	92	112	1.89	20	
Sulfate	31.37	3	30	0	105	90	110	3.06	20	

Sample ID	0502052-01BMS	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050210A	Analysis Date:	2/10/2005 11:45:54 AM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.42	0.5	5	0	108	92	112	0		
Sulfate	148.4	3	30	116	108	90	110	0		

Sample ID	0502052-01BMSD	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050210A	Analysis Date:	2/10/2005 12:01:15 PM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.472	0.5	5	0	109	92	112	0.960	20	
Sulfate	148.5	3	30	116	108	90	110	0.0708	20	

Sample ID	CCV1-050210	Batch ID:	R20957	TestNo:	E300	Units:	mg/L
SampType	CCV	Run ID:	IC_050210A	Analysis Date:	2/10/2005 1:18:02 PM	Prep Date:	2/10/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.445	0.5	5	0	109	90	110	0		
Sulfate	31.38	3	30	0	105	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050210A

Sample ID	**CCV2-050210**	Batch ID:	**R20957**	TestNo:	**E300**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**IC_050210A**	Analysis Date:	**2/10/2005 4:11:01 PM**	Prep Date:	**2/10/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	4.851	0.5	5	0	97	90	110	0		
Sulfate	27.59	3	30	0	92	90	110	0		

Sample ID	**ICV-050210**	Batch ID:	**R20957**	TestNo:	**E300**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**IC_050210A**	Analysis Date:	**2/10/2005 9:56:57 AM**	Prep Date:	**2/10/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	13.57	0.5	12.5	0	109	90	110	0		
Sulfate	77.85	3	75	0	104	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050211B

Sample ID	MB-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	ND	0.005								

Sample ID	LCS-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1009	0.005	0.1185	0	85.1	80	120	0		

Sample ID	LCSD-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1025	0.005	0.1185	0	86.5	80	120	1.56	20	

Sample ID	CCV1-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:26:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2042	0.005	0.237	0	86.2	80	120	0		

Sample ID	CCV2-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 2:11:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.192	0.005	0.237	0	81	80	120	0		

Sample ID	ICV-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	ICV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 11:51:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1081	0.005	0.1185	0	91.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050215A

Sample ID	MB-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.1								

Sample ID	LCS-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0984	0.1	0.1	0	98.4	85	115	0		

Sample ID	LCSD-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0894	0.1	0.1	0	89.4	85	115	0	15	

Sample ID	0502068-05CMS	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	7.671	2.5	2.5	5.602	82.8	85	115	0		S

Sample ID	0502068-05CMSD	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	7.746	2.5	2.5	5.602	85.8	85	115	0.976	15	

Sample ID	CCV1-050215	Batch ID:	R21003	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09954	0.1	0.1	0	99.5	85	115	0		

Sample ID	CCV2-050215	Batch ID:	R21003	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1114	0.1	0.1	0	111	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050215A

Sample ID **CCV3-050215**	Batch ID: **R21003**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType **CCV**	Run ID: **UV/VIS_2_050215A**	Analysis Date: **2/15/2005 9:34:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09991	0.1	0.1	0	99.9	85	115	0		

Sample ID **ICV-050215**	Batch ID: **R21003**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType **ICV**	Run ID: **UV/VIS_2_050215A**	Analysis Date: **2/15/2005 9:34:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.2013	0.1	0.2	0	101	85	115	0		

Qualifiers:
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B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: WC_050216A

Sample ID	**LCS-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**LCS**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	51.69	10	50	0	103	74	129	0		

Sample ID	**0502053-07G DUP**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	50.83	10	0	50.86	0	0	0	0.0462	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	50.83	10	0	50.86	0	0	0	0.0462	20	

Sample ID	**0502068-05G DUP**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	38.73	10	0	34.78	0	0	0	10.7	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	38.73	10	0	34.78	0	0	0	10.7	20	

Sample ID	**CCV1-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	5000	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	5000	10	5000	0	100	90	110	0		

Sample ID	**CCV2-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	5040	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	5040	10	5000	0	101	90	110	0		

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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: WC_050216A

Sample ID	**ICV-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	4960	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	4960	10	5000	0	99.2	98	102	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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CLIENT: Battelle
Work Order: 0502053
Project: Gulfport

MQL SUMMARY REPORT

TestNo: E300	MDL	MQL
Analyte	**mg/L**	**mg/L**
Nitrate-N	0.1	0.5
Sulfate	1	3

TestNo: SW8260B	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,1,1,2-Tetrachloroethane	0.2	1
1,1,1-Trichloroethane	0.2	1
1,1,2,2-Tetrachloroethane	0.2	1
1,1,2-Trichloroethane	0.2	1
1,1-Dichloroethane	0.2	1
1,1-Dichloroethene	0.2	1
1,1-Dichloropropene	0.2	1
1,2,3-Trichlorobenzene	1.5	5
1,2,3-Trichloropropane	0.3	1
1,2,4-Trichlorobenzene	1.5	5
1,2,4-Trimethylbenzene	1.5	5
1,2-Dibromo-3-chloropropane	3	10
1,2-Dibromoethane	0.2	1
1,2-Dichlorobenzene	0.3	1
1,2-Dichloroethane	0.3	1
1,2-Dichloropropane	0.2	1
1,3,5-Trimethylbenzene	1.5	5
1,3-Dichlorobenzene	0.3	1
1,3-Dichloropropane	0.2	1
1,4-Dichlorobenzene	0.3	1
2,2-Dichloropropane	0.2	1
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	0.3	1
2-Hexanone	5	15
4-Chlorotoluene	0.3	1
4-Methyl-2-pentanone	5	15
Acetone	5	15
Benzene	0.2	1
Bromobenzene	0.2	1
Bromochloromethane	0.2	1
Bromodichloromethane	0.2	1
Bromoform	0.2	1
Bromomethane	0.3	1
Carbon disulfide	5	15
Carbon tetrachloride	0.2	1
Chlorobenzene	0.2	1
Chloroethane	0.3	1
Chloroform	0.3	1
Chloromethane	0.3	1
cis-1,2-Dichloroethene	0.2	1
cis-1,3-Dichloropropene	0.2	1
Dibromochloromethane	0.2	1
Dibromomethane	0.2	1
Dichlorodifluoromethane	0.2	1

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Ethylbenzene	0.3	1
Hexachlorobutadiene	1	3
Iodomethane	5	15
Isopropylbenzene	0.2	1
m,p-Xylene	0.6	2
Methyl tert-butyl ether	0.3	1
Methylene chloride	2.5	2.5
n-Butylbenzene	0.3	1
n-Propylbenzene	0.3	1
Naphthalene	5	15
o-Xylene	0.3	1
p-Isopropyltoluene	0.3	1
sec-Butylbenzene	0.3	1
Styrene	0.2	1
tert-Butylbenzene	0.3	1
Tetrachloroethene	0.6	2
Toluene	0.6	2
trans-1,2-Dichloroethene	0.2	1
trans-1,3-Dichloropropene	0.2	1
Trichloroethene	0.6	2
Trichlorofluoromethane	0.2	1
Vinyl chloride	0.1	1

TestNo: SW8270C	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
1,2,4-Trichlorobenzene	1	4
1,2-Dichlorobenzene	1	4
1,3-Dichlorobenzene	1	4
1,4-Dichlorobenzene	1	4
2,4,5-Trichlorophenol	1	4
2,4,6-Trichlorophenol	1	4
2,4-Dichlorophenol	1	4
2,4-Dimethylphenol	2	4
2,4-Dinitrophenol	1	20
2,4-Dinitrotoluene	1	4
2,6-Dinitrotoluene	1	4
2-Chloronaphthalene	1	4
2-Chlorophenol	1	4
2-Methylnaphthalene	1	4
2-Methylphenol	1	4
2-Nitroaniline	1	4
2-Nitrophenol	2	4
3,3´-Dichlorobenzidine	2	4
3-Nitroaniline	1	4
4,6-Dinitro-2-methylphenol	1	10
4-Bromophenyl phenyl ether	1	4
4-Chloro-3-methylphenol	1	4
4-Chloroaniline	1	10
4-Chlorophenyl phenyl ether	1	4
4-Methylphenol	1	4
4-Nitroaniline	2	4
4-Nitrophenol	2	20
Acenaphthene	1	4
Acenaphthylene	1	4
Aniline	1	4
Anthracene	1	4
Benzo[a]anthracene	1	4
Benzo[a]pyrene	1	4
Benzo[b]fluoranthene	1	4
Benzo[g,h,i]perylene	2	4
Benzo[k]fluoranthene	1	4
Benzoic acid	4	10
Benzyl alcohol	1	10
Bis(2-chloroethoxy)methane	1	4
Bis(2-chloroethyl)ether	1	4
Bis(2-chloroisopropyl)ether	1	4
Bis(2-ethylhexyl)phthalate	2	4
Butyl benzyl phthalate	4	10
Carbazole	1	4
Chrysene	1	4
Di-n-butyl phthalate	4	10

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	4	10
Dibenz[a,h]anthracene	1	4
Dibenzofuran	1	4
Diethyl phthalate	4	10
Dimethyl phthalate	4	10
Fluoranthene	1	4
Fluorene	1	4
Hexachlorobenzene	1	4
Hexachlorobutadiene	1	4
Hexachlorocyclopentadiene	2	10
Hexachloroethane	1	4
Indeno[1,2,3-cd]pyrene	1	4
Isophorone	1	4
N-Nitrosodi-n-propylamine	1	4
N-Nitrosodiphenylamine	1	4
Naphthalene	1	4
Nitrobenzene	2	4
Pentachlorophenol	2	4
Phenanthrene	1	4
Phenol	2	4
Pyrene	1	4
Pyridine	4	10

TestNo: RSKERR	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Methane	0.0003	0.001
Ethane	0.0006	0.002
Ethylene	0.001	0.003

TestNo: M8015D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
TPH-DRO C10-C28	0.6	1
TPH-ORO >C28-C35	0.6	1

TestNo: M3500-Fe	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Iron, Ferrous	0.05	0.1

TestNo: SW6020	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
Iron	50	100
Manganese	3	10

TestNo: M8015V	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Gasoline Range Organics	0.06	0.2

TestNo: E376.2	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Sulfide	0.005	0.005

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

DHL ANALYTICAL

March 03, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0502068

Dear Lydia Cumming:

DHL Analytical received 8 samples on 2/11/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

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March 3, 2005

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

050206

CHAIN - OF - CUSTODY RECORD

Phone: (412) 826-5245 | ~~Microseeps, Inc. 220 William Pitt Way - Pittsburgh, PA 15238~~ | Fax No. : (412) 826-3433

Company : BATTELLE
Co. Address : 505 KING AVE
Proj. Manager: LYDIA CUMMING
Proj. Location: GULFPORT
Proj. Number: 648600J
Phone # : (614) 424 7778 Fax # : (614) 424 5667

Sampler's signature : Lydia Cumming

Results to : LYDIA CUMMING
Invoice to : JERRY TUMPKINS

Cooler ID	Cooler Temp.

	Sample ID	Sample Description	Date	Time	Comp.	Grab	# Cont.	VOCs	SVOCs	Dissolved Fe, Mn (Filtered)	TPH-DRO	TPH-GRO	Methane, Ethane, Ethene	Alkalinity, Nitrate, Sulfate	Sulfide / Ferrous Iron	Remarks
01		GPT-6-5	2/10/05	805		✓	18	X	X	X	X	X	X	X	X	Hold one TPH-GRO
02		GPT-6-4	"	915		✓	18	X	X	X	X	X	X	X	X	for fractionation
03		GPT-6-8	"	1030		✓	18	X	X	X	X	X	X	X	X	(X) analysis
04		GPT-6-3	"	1230		✓	18	X	X	X	X	X	X	X	X	Add 1 x 100 ml L. Cumming 2/18/05
05		GPT-6-6	"	1340		✓	~~18~~ 36	X	X	X	X	X	X	X	X	SEND DATA PKG COPY
06		GPT-6-7	"	1515		✓	18	X	X	X	X	X	X	X	X	TO LABORATORY DATA
07		TRIP-BLANK	"	NA		✓	18	X	X	X	X	X	X	X	X	CONSULTANTS, INC.
08		GPT-6-~~6~~ DUP	"	1340		✓	18	X	X	X	X	X	X	X	X	[LDC, INC]
																Perform MS/MSD
																Extra sample GPT-6-6

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Lydia	Battelle	2/14/05	5:30	FX		2/14-5	530
Relinquished by : FX	Company :	Date : 2/14-5	Time : 900	Received by :	Company : DHL	Date : 2/15	Time : 900
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Temp 5.1, 4.3, 4.6°C
Cooler Intact

500

FedEx Express US Airbill

FedEx Tracking Number 8465 4392 4002

SPH21

Form ID No. 0215

Recipient's Copy

1 From This portion can be removed for Recipient's records

Date 2·10·05 FedEx Tracking Number 846543924002

Sender's Name LYDIA CUMMINGS Phone (614) 424 3667

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201-2693

RECIPIENT: PEEL HERE

2 Your Internal Billing Reference 3171

3 To

Recipient's Name SAMPLE RECEIVER Phone 512 372 2227

Company DHL ANALYTICAL

Recipient's Address 2300 DOUBLE CREEK DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City ROUND ROCK State TX ZIP 78664

8465 4392 4002

0277053415

4a Express Package Service *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One pound rate

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted]

Total Packages	Total Weight		Total Charges
3	180	[redacted]	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339

466

ALIGN OPEN END OF FEDEX AIRBILL PO

DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** Date Received: **2/11/05**

Work Order Number **0502068** Received by MKS

Checklist completed by [signature] 2-11-5 (Signature / Date) Reviewed by JD (Initials) 2/11/05 (Date)

Carrier name: FedEx 2day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon recipt?	Yes ☑	No ☐	NotApplicable ☐

Adjusted? NO Checked by [signature]

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action Taken: _____

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
Michelle Green – QA Manager
John DuPont – General Manager

Signature

3/03/05
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Gulfport	Date: 3/3/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0502068
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				21-01
		2) Were all departures from standard conditions described in an exception report?			✓		
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	✓				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		3) Were calculations checked by a peer or supervisor?	✓				
		4) Were all analyte identifications checked by a peer or supervisor?	✓				
		5) Were sample quantitation limits reported for all analytes not detected?	✓				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		8) If required for the project, TICs reported?			✓		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	✓				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		✓			24-02
R5	OI	**TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	✓				
		2) Were blanks analyzed at the appropriate frequency?	✓				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		4) Were blank concentrations < MQL?	✓				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS)**					
		1) Were all COCs included in the LCS?	✓				
		2) Was each LCS taken through the entire analytical procedure, (prep and cleanup steps)?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs & RPD recovery within the laboratory QC limits?		✓			26-04
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	✓				
		2) Were MS/MSD analyzed at the appropriate frequency?	✓				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✓			27-03
		4) Were MS/MSD RPDs within laboratory QC limits?		✓			27-04
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	✓				
		2) Were analytical duplicates analyzed at the appropriate frequency?	✓				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS)**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	✓				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		3) Are unadjusted MQLs included in the laboratory data package?	✓				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				R10-01
		2) Were all necessary corrective actions performed for the reported data?	✓				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Gulfport	Date: 3/3/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0502068

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		2) Were percent RSDs or correlation coefficient criteria met?	✓				
		3) Was the number of standards recommended in the method used for all analytes?	✓				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		5) Are ICAL data available for all instruments used?	✓				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	✓				
		2) Were percent differences for each analyte within the method-required QC limits?		✓			S2-02
		3) Was the ICAL curve verified for each analyte?	✓				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✓				
S3	O	**MASS SPECTRAL TUNING**					
		1) Was the appropriate compound for the method used for tuning?	✓				
		2) Were ion abundance data within the method-required QC limits?	✓				
S4	O	**INTERNAL STANDARDS (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, & SECTION 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		2) Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**DUAL COLUMN CONFIRMATION**					
		1) Did dual column confirmation results meet the method-required QC?	✓				
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS**					
		1) Were percent recoveries within method QC limits?	✓				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	✓				
S10	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	✓				
S11	OI	**PROFICIENCY TEST REPORTS**					
		1) Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**STANDARDS DOCUMENTATION**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		1) Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	✓				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS (NELAC)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS)**					
		1) Are the laboratory SOPs current and on file for each method performed?	✓				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable. 4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

CLIENT: Battelle
Project: Gulfport
Lab Order: 0502068

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Method SW8260B - Volatile Organics
Method SW8270C - Semivolatile Organics
Method SW6020 - Metals Analysis
Method M8015V - Gasoline Range Organics Analysis
Method M8015D - DRO/ORO Analysis
Method Tx1005 - Total Petroleum Hydrocarbons
Method Tx1006 - TPH Fractionation of a Water
Method RSKERR - Dissolved Gas Analysis
Method M3500-Fe - Ferrous Iron Analysis
Method E300 - Anions Analysis
Method E310.1 - Alkalinity Analysis
Method E376.2 - Sulfide Analysis

Exception Report R1-01

Samples were received and log-in performed on 2/11/05. A total of 8 samples were received. On 2/18/05 Tx1005/1006 was added on to sample GPT-6-8 as per client request. These were performed as requested. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For DRO/ORO analysis performed on 2/14/05 and 2/15/05 the surrogate recoveries for samples GPT-6-5, GPT-6-6 and several QC samples were below control limits for Octacosane. These are flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

For Gasoline Range Organics analysis performed on 2/16/05 the surrogate recovery for QC sample CCV2 was slightly above control limits for Chlorobenzene. This is flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

Exception Report R6-04

For Semivolatiles analysis performed on 2/15/05 the LCS recovery was below control limits for Benzoic acid. All samples were below detection limits for this compound. No further corrective actions were required and no sample results were adversely affected.

Exception Report R7-03 & R7-04

For Semivolatiles analysis performed on 2/15/05 the matrix spike and matrix spike duplicate recoveries were out of control limits for a few compounds. In addition, the matrix spike and matrix spike duplicate had the RPD out of control limits for Benzoic acid and Pyridine. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. The ICV was within control limits for these compounds. No further corrective actions were required and no sample results were adversely affected.

For Ferrous Iron analysis performed on 2/15/05 the matrix spike recovery was slightly below control limits. This is flagged accordingly. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits. No further corrective actions were required and no sample results were adveresely affected.

Exception Report R10-01

For Dissolved Metals and Ferrous Iron analyses by methods SW6020 and M3500-Fe (respectively), the Ferrous Iron results were slightly higher than the dissolved Iron results for samples GPT-6-3, GPT-6-6 and GPT-6-6-DUP. These are within the acceptable variation limits.

Exception Report S2-02

For Semivolatiles analysis performed on 2/16/05 the ICV was slightly below control limits for 2,4-Dimethylphenol. This is flagged accordingly in the QC summary report. No further corrective actions were required and no sample results were adversely affected.

For Volatiles analysis performed on 2/14/05 the ICV was slightly above control limits for Iodomethane. This is flagged accordingly. No further corrective actions were required and no sample results were adversely affected.

DATA REPORTING

Sample reports include the Sample Quantitation Limit (SQL) and the Reporting Limit (RL) for each analyte. The computer system allows for reporting SQL with 2 significant figures and the RL with 3 significant figures. Because of rounding it may sometimes appear that a "J" flagged result is lower than the SQL if the sample result is very near the SQL.

DHL Analytical

Date: *07-Mar-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0502068

Work Order Sample Summary

Lab Sam ID	Client Sample ID	Tag Number	Collection Date	Date Recved
0502068-01	GPT-6-5		2/10/2005 8:05:00 AM	2/11/2005
0502068-02	GPT-6-4		2/10/2005 9:15:00 AM	2/11/2005
0502068-03	GPT-6-8		2/10/2005 10:30:00 A	2/11/2005
0502068-04	GPT-6-3		2/10/2005 12:30:00 P	2/11/2005
0502068-05	GPT-6-6		2/10/2005 1:40:00 PM	2/11/2005
0502068-06	GPT-6-7		2/10/2005 3:15:00 PM	2/11/2005
0502068-07	Trip Blank		2/10/2005	2/11/2005
0502068-08	GPT-6-6-DUP		2/10/2005 1:40:00 PM	2/11/2005

Lab Order: 0502068
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502068-01A	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-01B	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502068-01C	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-01D	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-01E	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-01F	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-01G	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974
0502068-01H	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502068-01I	GPT-6-5	2/10/2005 8:05:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502068-02A	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-02B	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502068-02C	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-02D	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-02E	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-02F	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-02G	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974
0502068-02H	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502068-02I	GPT-6-4	2/10/2005 9:15:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502068-03A	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-03B	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338

Lab Order: 0502068
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502068-03B	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	TX1005	TX1005 Water Prep	2/21/2005 9:05:35 AM	18380
	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	TX1006	TPH Fractionation Prep	2/23/2005 11:32:00 A	18381
	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	TX1006	TPH Fractionation Prep	2/23/2005 11:32:00 A	18381
	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	TX1005	TX1005 Water Prep	2/23/2005 9:44:44 AM	18405
0502068-03C	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-03D	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-03E	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-03F	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-03G	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974
0502068-03H	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502068-03I	GPT-6-8	2/10/2005 10:30:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502068-04A	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-04B	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502068-04C	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-04D	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-04E	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-04F	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-04G	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974
0502068-04H	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314

Lab Order: 0502068
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502068-04I	GPT-6-3	2/10/2005 12:30:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502068-05A	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-05B	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502068-05C	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-05D	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-05E	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-05F	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-05G	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974
0502068-05H	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502068-05I	GPT-6-6	2/10/2005 1:40:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502068-06A	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-06B	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502068-06C	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-06D	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-06E	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-06F	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-06G	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974

Lab Order: 0502068
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0502068-06H	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502068-06I	GPT-6-7	2/10/2005 3:15:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326
0502068-07A	Trip Blank	2/10/2005	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-08A	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	2/14/2005 4:29:00 PM	18332
0502068-08B	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	SW5030B	Purge and Trap Water GC-Gas	2/16/2005 9:01:12 AM	18338
0502068-08C	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	2/15/2005 9:20:23 AM	18336
0502068-08D	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	2/14/2005	DGAS_050214A
0502068-08E	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	2/11/2005 1:09:51 PM	18318
0502068-08F	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	E376.2	Sulfide Water Prep	2/11/2005 11:45:00 A	18320
0502068-08G	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	E310.1	Alkalinity	2/16/2005	ALK_050216
	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	E300	Anions by IC method - Water	2/11/2005	R20974
0502068-08H	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	2/11/2005 10:16:45 A	18314
0502068-08I	GPT-6-6-DUP	2/10/2005 1:40:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	2/14/2005 9:40:08 AM	18326

Lab Order: 0502068
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502068-01A	GPT-6-5	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 6:22:00 AM	GCMS5_050214B
0502068-01B	GPT-6-5	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 6:09:22 PM	GC4_050216A
0502068-01C	GPT-6-5	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-01D	GPT-6-5	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-01E	GPT-6-5	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 2:09:00 PM	ICP-MS_050214A
0502068-01F	GPT-6-5	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 1:33:00 PM	UV/VIS_2_050211B
0502068-01G	GPT-6-5	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-5	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 12:53:46 PM	IC_050211A
0502068-01H	GPT-6-5	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/17/2005 4:14:00 AM	GCMS3_050216B
0502068-01I	GPT-6-5	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 11:09:35 AM	GC15_050215A
0502068-02A	GPT-6-4	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 6:50:00 AM	GCMS5_050214B
0502068-02B	GPT-6-4	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 6:30:38 PM	GC4_050216A
0502068-02C	GPT-6-4	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-02D	GPT-6-4	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	100	2/14/2005 11:38:00 AM	GC5_050214A
	GPT-6-4	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-02E	GPT-6-4	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 2:13:00 PM	ICP-MS_050214A
0502068-02F	GPT-6-4	Aqueous	E376.2	Sulfides-Aqueous	18320	10	2/11/2005 1:41:00 PM	UV/VIS_2_050211B
0502068-02G	GPT-6-4	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-4	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 1:09:06 PM	IC_050211A
0502068-02H	GPT-6-4	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/17/2005 4:52:00 AM	GCMS3_050216B
0502068-02I	GPT-6-4	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 11:35:07 AM	GC15_050215A
0502068-03A	GPT-6-8	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 7:19:00 AM	GCMS5_050214B
0502068-03B	GPT-6-8	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 6:51:56 PM	GC4_050216A

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Client: Battelle
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ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502068-03B	GPT-6-8	Aqueous	TX1005	Tx1005 TPH Water	18380	1	2/21/2005 12:27:28 PM	GC12_050221B
	GPT-6-8	Aqueous	TX1006	TPH Fractionation Water	18381	1	2/24/2005 3:20:30 PM	GC12_050224B
	GPT-6-8	Aqueous	TX1006	TPH Fractionation Water	18381	1	2/24/2005 4:16:38 PM	GC12_050224B
	GPT-6-8	Aqueous	TX1005	Tx1005 TPH Water	18405	1	2/23/2005 12:36:37 PM	GC12_050223A
0502068-03C	GPT-6-8	Aqueous	M3500-FE	Ferrous Iron	18336	25	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-8	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-03D	GPT-6-8	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-03E	GPT-6-8	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 2:17:00 PM	ICP-MS_050214A
0502068-03F	GPT-6-8	Aqueous	E376.2	Sulfides-Aqueous	18320	10	2/11/2005 1:50:00 PM	UV/VIS_2_050211B
0502068-03G	GPT-6-8	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-8	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 1:24:25 PM	IC_050211A
0502068-03H	GPT-6-8	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/17/2005 5:30:00 AM	GCMS3_050216B
0502068-03I	GPT-6-8	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 11:35:07 AM	GC15_050215A
0502068-04A	GPT-6-3	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 7:47:00 AM	GCMS5_050214B
0502068-04B	GPT-6-3	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 7:13:12 PM	GC4_050216A
0502068-04C	GPT-6-3	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-3	Aqueous	M3500-FE	Ferrous Iron	18336	10	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-04D	GPT-6-3	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-04E	GPT-6-3	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 2:21:00 PM	ICP-MS_050214A
0502068-04F	GPT-6-3	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 1:50:00 PM	UV/VIS_2_050211B
0502068-04G	GPT-6-3	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-3	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 1:39:45 PM	IC_050211A
0502068-04H	GPT-6-3	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/17/2005 6:08:00 AM	GCMS3_050216B

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Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502068-04I	GPT-6-3	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 12:12:38 PM	GC15_050215A
0502068-05A	GPT-6-6	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 8:44:00 AM	GCMS5_050214B
0502068-05B	GPT-6-6	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 12:43:49 PM	GC4_050216A
0502068-05C	GPT-6-6	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-6	Aqueous	M3500-FE	Ferrous Iron	18336	25	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-05D	GPT-6-6	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	100	2/14/2005 11:38:00 AM	GC5_050214A
	GPT-6-6	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-05E	GPT-6-6	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 3:17:00 PM	ICP-MS_050214A
0502068-05F	GPT-6-6	Aqueous	E376.2	Sulfides-Aqueous	18320	10	2/11/2005 2:01:00 PM	UV/VIS_2_050211B
0502068-05G	GPT-6-6	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-6	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 1:55:08 PM	IC_050211A
0502068-05H	GPT-6-6	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/15/2005 10:52:00 PM	GCMS3_050215A
0502068-05I	GPT-6-6	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/14/2005 4:15:31 PM	GC15_050214A
0502068-06A	GPT-6-7	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 8:16:00 AM	GCMS5_050214B
0502068-06B	GPT-6-7	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 7:34:40 PM	GC4_050216A
0502068-06C	GPT-6-7	Aqueous	M3500-FE	Ferrous Iron	18336	25	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-7	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-06D	GPT-6-7	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	10	2/14/2005 11:38:00 AM	GC5_050214A
	GPT-6-7	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-06E	GPT-6-7	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 2:25:00 PM	ICP-MS_050214A
0502068-06F	GPT-6-7	Aqueous	E376.2	Sulfides-Aqueous	18320	1	2/11/2005 2:01:00 PM	UV/VIS_2_050211B
0502068-06G	GPT-6-7	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-7	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 2:41:08 PM	IC_050211A

Lab Order: 0502068
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0502068-06H	GPT-6-7	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/17/2005 6:46:00 AM	GCMS3_050216B
0502068-06I	GPT-6-7	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 12:37:34 PM	GC15_050215A
0502068-07A	Trip Blank	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 2:02:00 AM	GCMS5_050214B
0502068-08A	GPT-6-6-DUP	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	18332	1	2/15/2005 9:13:00 AM	GCMS5_050214B
0502068-08B	GPT-6-6-DUP	Aqueous	M8015V	Modified 8015 Gasoline (GRO)	18338	1	2/16/2005 7:56:12 PM	GC4_050216A
0502068-08C	GPT-6-6-DUP	Aqueous	M3500-FE	Ferrous Iron	18336	1	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
	GPT-6-6-DUP	Aqueous	M3500-FE	Ferrous Iron	18336	25	2/15/2005 9:34:00 AM	UV/VIS_2_050215A
0502068-08D	GPT-6-6-DUP	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	100	2/14/2005 11:38:00 AM	GC5_050214A
	GPT-6-6-DUP	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050214A	1	2/14/2005 11:38:00 AM	GC5_050214A
0502068-08E	GPT-6-6-DUP	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	18318	1	2/14/2005 2:30:00 PM	ICP-MS_050214A
0502068-08F	GPT-6-6-DUP	Aqueous	E376.2	Sulfides-Aqueous	18320	10	2/11/2005 2:01:00 PM	UV/VIS_2_050211B
0502068-08G	GPT-6-6-DUP	Aqueous	E310.1	Alkalinity	ALK_050216	1	2/16/2005 1:20:00 PM	WC_050216A
	GPT-6-6-DUP	Aqueous	E300	Anions by IC method - Water	R20974	1	2/11/2005 2:56:29 PM	IC_050211A
0502068-08H	GPT-6-6-DUP	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	18314	1	2/17/2005 7:24:00 AM	GCMS3_050216B
0502068-08I	GPT-6-6-DUP	Aqueous	M8015D	GC/FID - Water DRO+ORO	18326	1	2/15/2005 12:37:34 PM	GC15_050215A

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 12:53:46 PM
Sulfate	14.6	1.0	3.00		mg/L	1	2/11/2005 12:53:46 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	13.4	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	13.4	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM

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See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 6:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 6:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 6:22:00 AM
Surr: 1,2-Dichloroethane-d4	98.8	0	72-119		%REC	1	2/15/2005 6:22:00 AM
Surr: 4-Bromofluorobenzene	96.8	0	76-119		%REC	1	2/15/2005 6:22:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	2/15/2005 6:22:00 AM
Surr: Toluene-d8	99.7	0	81-120		%REC	1	2/15/2005 6:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 4:14:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM

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SQL - Sample Quantitation Limit
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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Surr: 2,4,6-Tribromophenol	125	0	53-155		%REC	1	2/17/2005 4:14:00 AM
Surr: 2-Fluorobiphenyl	97.0	0	55-130		%REC	1	2/17/2005 4:14:00 AM
Surr: 2-Fluorophenol	57.2	0	25-120		%REC	1	2/17/2005 4:14:00 AM
Surr: 4-Terphenyl-d14	96.5	0	51-135		%REC	1	2/17/2005 4:14:00 AM
Surr: Nitrobenzene-d5	82.8	0	55-124		%REC	1	2/17/2005 4:14:00 AM
Surr: Phenol-d6	37.3	0	20-120		%REC	1	2/17/2005 4:14:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.00280	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 11:09:35 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 11:09:35 AM
Surr: o-Terphenyl	73.8	0	64-132		%REC	1	2/15/2005 11:09:35 AM
Surr: Octacosane	23.5	0	26-152	S	%REC	1	2/15/2005 11:09:35 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	1400	50	100		µg/L	1	2/14/2005 2:09:00 PM
Manganese	32.3	3.0	10.0		µg/L	1	2/14/2005 2:09:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 6:09:22 PM
Surr: Chlorobenzene	118	0	74-138		%REC	1	2/16/2005 6:09:22 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0190	0.0050	0.00500		mg/L	1	2/11/2005 1:33:00 PM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:09:06 PM
Sulfate	2.1	1.0	3.00	J	mg/L	1	2/11/2005 1:09:06 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	334	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	334	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,4-Trimethylbenzene	1.9	1.5	5.00	J	µg/L	1	2/15/2005 6:50:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:50:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Chloroethane	0.74	0.30	1.00	J	µg/L	1	2/15/2005 6:50:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 6:50:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 6:50:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Vinyl chloride	0.51	0.10	1.00	J	µg/L	1	2/15/2005 6:50:00 AM
Surr: 1,2-Dichloroethane-d4	98.6	0	72-119		%REC	1	2/15/2005 6:50:00 AM
Surr: 4-Bromofluorobenzene	93.8	0	76-119		%REC	1	2/15/2005 6:50:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 6:50:00 AM
Surr: Toluene-d8	99.9	0	81-120		%REC	1	2/15/2005 6:50:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Methylnaphthalene	6.20	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 4:52:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Fluorene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 4:52:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Naphthalene	1.8	1.0	4.00	J	µg/L	1	2/17/2005 4:52:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Phenanthrene	1.4	1.0	4.00	J	µg/L	1	2/17/2005 4:52:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Surr: 2,4,6-Tribromophenol	120	0	53-155		%REC	1	2/17/2005 4:52:00 AM
Surr: 2-Fluorobiphenyl	98.0	0	55-130		%REC	1	2/17/2005 4:52:00 AM
Surr: 2-Fluorophenol	55.2	0	25-120		%REC	1	2/17/2005 4:52:00 AM
Surr: 4-Terphenyl-d14	96.8	0	51-135		%REC	1	2/17/2005 4:52:00 AM
Surr: Nitrobenzene-d5	81.8	0	55-124		%REC	1	2/17/2005 4:52:00 AM
Surr: Phenol-d6	36.0	0	20-120		%REC	1	2/17/2005 4:52:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	2.94	0.030	0.100		mg/L	100	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
Surr: o-Terphenyl	86.3	0	64-132		%REC	1	2/15/2005 11:35:07 AM
Surr: Octacosane	80.5	0	26-152		%REC	1	2/15/2005 11:35:07 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	0.265	0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	834	50	100		µg/L	1	2/14/2005 2:13:00 PM
Manganese	55.1	3.0	10.0		µg/L	1	2/14/2005 2:13:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.063	0.060	0.200	J	mg/L	1	2/16/2005 6:30:38 PM
Surr: Chlorobenzene	109	0	74-138		%REC	1	2/16/2005 6:30:38 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.56	0.050	0.0500		mg/L	10	2/11/2005 1:41:00 PM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
TOTAL PETROLEUM HYDROCARBONS (TPH)		**TX1005**				Analyst: **LY**	
T/R Hydrocarbons: C6-C12	ND	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
T/R Hydrocarbons: >C12-C28	5.64	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
T/R Hydrocarbons: >C28-C35	ND	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
T/R Hydrocarbons: C6-C35	5.64	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
Surr: 1-Chlorooctane	107	0	87-147		%REC	1	2/21/2005 12:27:28 PM
Surr: Octacosane	102	0	80-140		%REC	1	2/21/2005 12:27:28 PM
TPH FRACTIONATION WATER		**TX1006**				Analyst: **LY**	
C6-C8 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C8-C10 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C10-C12 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C12-C16 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C16-C21 Aliphatics	0.16	0.15	0.974	J	mg/L	1	2/24/2005 3:20:30 PM
>C21-C35 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
C6-C35 Aliphatics	0.16	0.15	4.87	J	mg/L	1	2/24/2005 3:20:30 PM
>C8-C10 Aromatics	ND	0.15	0.974		mg/L	1	2/24/2005 4:16:38 PM
>C10-C12 Aromatics	ND	0.15	0.974		mg/L	1	2/24/2005 4:16:38 PM
>C12-C16 Aromatics	0.83	0.15	0.974	J	mg/L	1	2/24/2005 4:16:38 PM
>C16-C21 Aromatics	0.47	0.15	0.974	J	mg/L	1	2/24/2005 4:16:38 PM
>C21-C35 Aromatics	ND	0.15	0.974		mg/L	1	2/24/2005 4:16:38 PM
>C8-C35 Aromatics	1.3	0.15	4.87	J	mg/L	1	2/24/2005 4:16:38 PM
Surr: 1-Chlorooctane	78.2	0	60-120		%REC	1	2/24/2005 4:16:38 PM
Surr: Octacosane	90.4	0	60-120		%REC	1	2/24/2005 3:20:30 PM
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:24:25 PM
Sulfate	2.2	1.0	3.00	J	mg/L	1	2/11/2005 1:24:25 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	61.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	61.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,4-Trimethylbenzene	8.88	1.5	5.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,3,5-Trimethylbenzene	4.8	1.5	5.00	J	µg/L	1	2/15/2005 7:19:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
2-Butanone	57.3	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Acetone	39.3	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Ethylbenzene	1.70	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 7:19:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Isopropylbenzene	2.16	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 7:19:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
n-Propylbenzene	0.53	0.30	1.00	J	µg/L	1	2/15/2005 7:19:00 AM
Naphthalene	54.5	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
o-Xylene	8.77	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
p-Isopropyltoluene	2.53	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
tert-Butylbenzene	2.15	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 7:19:00 AM
Surr: 1,2-Dichloroethane-d4	100	0	72-119		%REC	1	2/15/2005 7:19:00 AM
Surr: 4-Bromofluorobenzene	90.5	0	76-119		%REC	1	2/15/2005 7:19:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 7:19:00 AM
Surr: Toluene-d8	98.3	0	81-120		%REC	1	2/15/2005 7:19:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4,5-Trichlorophenol	1.4	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Methylnaphthalene	34.6	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Methylphenol	1.6	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Methylphenol	27.2	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 5:30:00 AM
Acenaphthene	3.2	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzoic acid	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Fluorene	3.2	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Naphthalene	34.6	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Phenanthrene	3.0	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Surr: 2,4,6-Tribromophenol	133	0	53-155		%REC	1	2/17/2005 5:30:00 AM
Surr: 2-Fluorobiphenyl	99.5	0	55-130		%REC	1	2/17/2005 5:30:00 AM
Surr: 2-Fluorophenol	60.5	0	25-120		%REC	1	2/17/2005 5:30:00 AM
Surr: 4-Terphenyl-d14	103	0	51-135		%REC	1	2/17/2005 5:30:00 AM
Surr: Nitrobenzene-d5	86.0	0	55-124		%REC	1	2/17/2005 5:30:00 AM
Surr: Phenol-d6	41.2	0	20-120		%REC	1	2/17/2005 5:30:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0474	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	11.6	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
Surr: o-Terphenyl	90.1	0	64-132		%REC	1	2/15/2005 11:35:07 AM
Surr: Octacosane	43.7	0	26-152		%REC	1	2/15/2005 11:35:07 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	7.38	1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	9830	50	100		µg/L	1	2/14/2005 2:17:00 PM
Manganese	24.3	3.0	10.0		µg/L	1	2/14/2005 2:17:00 PM

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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.350	0.060	0.200		mg/L	1	2/16/2005 6:51:56 PM
Surr: Chlorobenzene	122	0	74-138		%REC	1	2/16/2005 6:51:56 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	3.50	0.050	0.0500		mg/L	10	2/11/2005 1:50:00 PM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:39:45 PM
Sulfate	14.1	1.0	3.00		mg/L	1	2/11/2005 1:39:45 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 7:47:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 7:47:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 7:47:00 AM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	2/15/2005 7:47:00 AM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	2/15/2005 7:47:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	2/15/2005 7:47:00 AM
Surr: Toluene-d8	95.6	0	81-120		%REC	1	2/15/2005 7:47:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 6:08:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Surr: 2,4,6-Tribromophenol	124	0	53-155		%REC	1	2/17/2005 6:08:00 AM
Surr: 2-Fluorobiphenyl	96.0	0	55-130		%REC	1	2/17/2005 6:08:00 AM
Surr: 2-Fluorophenol	62.2	0	25-120		%REC	1	2/17/2005 6:08:00 AM
Surr: 4-Terphenyl-d14	101	0	51-135		%REC	1	2/17/2005 6:08:00 AM
Surr: Nitrobenzene-d5	85.2	0	55-124		%REC	1	2/17/2005 6:08:00 AM
Surr: Phenol-d6	40.5	0	20-120		%REC	1	2/17/2005 6:08:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0520	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 12:12:38 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 12:12:38 PM
Surr: o-Terphenyl	87.0	0	64-132		%REC	1	2/15/2005 12:12:38 PM
Surr: Octacosane	87.3	0	26-152		%REC	1	2/15/2005 12:12:38 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	1.54	0.50	1.00		mg/L	10	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	1480	50	100		µg/L	1	2/14/2005 2:21:00 PM
Manganese	20.2	3.0	10.0		µg/L	1	2/14/2005 2:21:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 7:13:12 PM
Surr: Chlorobenzene	118	0	74-138		%REC	1	2/16/2005 7:13:12 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.211	0.0050	0.00500		mg/L	1	2/11/2005 1:50:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:55:08 PM
Sulfate	6.38	1.0	3.00		mg/L	1	2/11/2005 1:55:08 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	34.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	34.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,4-Trimethylbenzene	3.6	1.5	5.00	J	µg/L	1	2/15/2005 8:44:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:44:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Benzene	0.49	0.20	1.00	J	µg/L	1	2/15/2005 8:44:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
cis-1,2-Dichloroethene	2.40	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Ethylbenzene	1.33	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 8:44:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Isopropylbenzene	2.19	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 8:44:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 8:44:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
n-Propylbenzene	0.62	0.30	1.00	J	µg/L	1	2/15/2005 8:44:00 AM
Naphthalene	22.6	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
o-Xylene	3.33	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
p-Isopropyltoluene	2.40	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:44:00 AM
Toluene	1.1	0.60	2.00	J	µg/L	1	2/15/2005 8:44:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:44:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 8:44:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	2/15/2005 8:44:00 AM
Surr: 4-Bromofluorobenzene	99.4	0	76-119		%REC	1	2/15/2005 8:44:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	2/15/2005 8:44:00 AM
Surr: Toluene-d8	95.6	0	81-120		%REC	1	2/15/2005 8:44:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Methylnaphthalene	10.6	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Methylphenol	3.0	1.0	4.00	J	µg/L	1	2/15/2005 10:52:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 10:52:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Fluorene	1.0	1.0	4.00	J	µg/L	1	2/15/2005 10:52:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Naphthalene	15.6	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Surr: 2,4,6-Tribromophenol	106	0	42-124		%REC	1	2/15/2005 10:52:00 PM
Surr: 2-Fluorobiphenyl	91.2	0	48-120		%REC	1	2/15/2005 10:52:00 PM
Surr: 2-Fluorophenol	61.8	0	20-120		%REC	1	2/15/2005 10:52:00 PM
Surr: 4-Terphenyl-d14	88.5	0	51-135		%REC	1	2/15/2005 10:52:00 PM
Surr: Nitrobenzene-d5	90.8	0	41-120		%REC	1	2/15/2005 10:52:00 PM
Surr: Phenol-d6	40.0	0	20-120		%REC	1	2/15/2005 10:52:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	1.48	0.030	0.100		mg/L	100	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	1.14	0.60	1.00		mg/L	1	2/14/2005 4:15:31 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/14/2005 4:15:31 PM
Surr: o-Terphenyl	73.7	0	64-132		%REC	1	2/14/2005 4:15:31 PM
Surr: Octacosane	6.28	0	26-152	S	%REC	1	2/14/2005 4:15:31 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	5.60	1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	5440	50	100		µg/L	1	2/14/2005 3:17:00 PM
Manganese	8.3	3.0	10.0	J	µg/L	1	2/14/2005 3:17:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.14	0.060	0.200	J	mg/L	1	2/16/2005 12:43:49 PM
Surr: Chlorobenzene	118	0	74-138		%REC	1	2/16/2005 12:43:49 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.10	0.050	0.0500		mg/L	10	2/11/2005 2:01:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 2:41:08 PM
Sulfate	9.82	1.0	3.00		mg/L	1	2/11/2005 2:41:08 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	17.0	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	17.0	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 8:16:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 8:16:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 8:16:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	2/15/2005 8:16:00 AM
Surr: 4-Bromofluorobenzene	103	0	76-119		%REC	1	2/15/2005 8:16:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	2/15/2005 8:16:00 AM
Surr: Toluene-d8	95.3	0	81-120		%REC	1	2/15/2005 8:16:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Methylnaphthalene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 6:46:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Methylphenol	1.2	1.0	4.00	J	µg/L	1	2/17/2005 6:46:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 6:46:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Naphthalene	1.2	1.0	4.00	J	µg/L	1	2/17/2005 6:46:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Surr: 2,4,6-Tribromophenol	127	0	53-155		%REC	1	2/17/2005 6:46:00 AM
Surr: 2-Fluorobiphenyl	99.5	0	55-130		%REC	1	2/17/2005 6:46:00 AM
Surr: 2-Fluorophenol	60.8	0	25-120		%REC	1	2/17/2005 6:46:00 AM
Surr: 4-Terphenyl-d14	104	0	51-135		%REC	1	2/17/2005 6:46:00 AM
Surr: Nitrobenzene-d5	85.8	0	55-124		%REC	1	2/17/2005 6:46:00 AM
Surr: Phenol-d6	39.5	0	20-120		%REC	1	2/17/2005 6:46:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.153	0.0030	0.0100		mg/L	10	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
Surr: o-Terphenyl	91.7	0	64-132		%REC	1	2/15/2005 12:37:34 PM
Surr: Octacosane	84.7	0	26-152		%REC	1	2/15/2005 12:37:34 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	3.83	1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	3980	50	100		µg/L	1	2/14/2005 2:25:00 PM
Manganese	52.1	3.0	10.0		µg/L	1	2/14/2005 2:25:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 7:34:40 PM
Surr: Chlorobenzene	114	0	74-138		%REC	1	2/16/2005 7:34:40 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.168	0.0050	0.00500		mg/L	1	2/11/2005 2:01:00 PM

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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0502068-07
Project No:	G486003	**Collection Date:**	2/10/2005
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0502068-07
Project No:	G486003	**Collection Date:**	2/10/2005
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 2:02:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 2:02:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 2:02:00 AM
Surr: 1,2-Dichloroethane-d4	100	0	72-119		%REC	1	2/15/2005 2:02:00 AM
Surr: 4-Bromofluorobenzene	97.8	0	76-119		%REC	1	2/15/2005 2:02:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 2:02:00 AM
Surr: Toluene-d8	98.6	0	81-120		%REC	1	2/15/2005 2:02:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 2:56:29 PM
Sulfate	5.23	1.0	3.00		mg/L	1	2/11/2005 2:56:29 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	36.1	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	36.1	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,4-Trimethylbenzene	3.9	1.5	5.00	J	µg/L	1	2/15/2005 9:13:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 9:13:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Benzene	0.54	0.20	1.00	J	µg/L	1	2/15/2005 9:13:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
cis-1,2-Dichloroethene	2.62	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Ethylbenzene	1.41	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 9:13:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 9:13:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 9:13:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
n-Propylbenzene	0.63	0.30	1.00	J	µg/L	1	2/15/2005 9:13:00 AM
Naphthalene	24.2	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
o-Xylene	3.47	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
p-Isopropyltoluene	2.41	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 9:13:00 AM
Toluene	1.3	0.60	2.00	J	µg/L	1	2/15/2005 9:13:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 9:13:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 9:13:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	2/15/2005 9:13:00 AM
Surr: 4-Bromofluorobenzene	100	0	76-119		%REC	1	2/15/2005 9:13:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	2/15/2005 9:13:00 AM
Surr: Toluene-d8	96.2	0	81-120		%REC	1	2/15/2005 9:13:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Methylnaphthalene	12.4	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Methylphenol	4.60	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 7:24:00 AM
Acenaphthene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 7:24:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM

Qualifiers:

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DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Fluorene	1.2	1.0	4.00	J	µg/L	1	2/17/2005 7:24:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Naphthalene	17.6	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Phenanthrene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 7:24:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Surr: 2,4,6-Tribromophenol	123	0	53-155		%REC	1	2/17/2005 7:24:00 AM
Surr: 2-Fluorobiphenyl	93.3	0	55-130		%REC	1	2/17/2005 7:24:00 AM
Surr: 2-Fluorophenol	59.5	0	25-120		%REC	1	2/17/2005 7:24:00 AM
Surr: 4-Terphenyl-d14	98.2	0	51-135		%REC	1	2/17/2005 7:24:00 AM
Surr: Nitrobenzene-d5	83.8	0	55-124		%REC	1	2/17/2005 7:24:00 AM
Surr: Phenol-d6	39.8	0	20-120		%REC	1	2/17/2005 7:24:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	1.60	0.030	0.100		mg/L	100	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	1.33	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
Surr: o-Terphenyl	82.0	0	64-132		%REC	1	2/15/2005 12:37:34 PM
Surr: Octacosane	47.8	0	26-152		%REC	1	2/15/2005 12:37:34 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	5.62	1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	5480	50	100		µg/L	1	2/14/2005 2:30:00 PM
Manganese	8.7	3.0	10.0	J	µg/L	1	2/14/2005 2:30:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.15	0.060	0.200	J	mg/L	1	2/16/2005 7:56:12 PM
Surr: Chlorobenzene	119	0	74-138		%REC	1	2/16/2005 7:56:12 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.16	0.050	0.0500		mg/L	10	2/11/2005 2:01:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050221B

Sample ID **MB-18380** Batch ID: **18380** TestNo: **TX1005** Units: **mg/L**
SampType **MBLK** Run ID: **GC12_050221B** Analysis Date: **2/21/2005 12:16:20 PM** Prep Date: **2/21/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	ND	2								
T/R Hydrocarbons: >C12-C28	ND	2								
T/R Hydrocarbons: >C28-C35	ND	2								
T/R Hydrocarbons: C6-C35	ND	2								
Surr: 1-Chlorooctane	2.554	0	2.5	0	102	87	147	0		
Surr: Octacosane	2.363	0	2.5	0	94.5	80	140	0		

Sample ID **LCS-18380** Batch ID: **18380** TestNo: **TX1005** Units: **mg/L**
SampType **LCS** Run ID: **GC12_050221B** Analysis Date: **2/21/2005 12:22:04 PM** Prep Date: **2/21/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	25.37	2	25	0	101	75	125	0		
Surr: 1-Chlorooctane	3.715	0	2.5	0	149	113	173	0		
Surr: Octacosane	2.596	0	2.5	0	104	80	140	0		

Sample ID **0502094-01B MS** Batch ID: **18380** TestNo: **TX1005** Units: **mg/L**
SampType **MS** Run ID: **GC12_050221B** Analysis Date: **2/21/2005 2:17:35 PM** Prep Date: **2/21/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.92	1.96	24.51	0	102	75	125	0		
Surr: 1-Chlorooctane	3.762	0	2.451	0	153	113	173	0		
Surr: Octacosane	2.444	0	2.451	0	99.7	80	140	0		

Sample ID **0502094-01B MSD** Batch ID: **18380** TestNo: **TX1005** Units: **mg/L**
SampType **MSD** Run ID: **GC12_050221B** Analysis Date: **2/21/2005 2:23:19 PM** Prep Date: **2/21/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.94	1.97	24.67	0	101	75	125	0.0612	30	
Surr: 1-Chlorooctane	3.853	0	2.467	0	156	113	173	0	0	
Surr: Octacosane	2.367	0	2.467	0	96	80	140	0	0	

Sample ID **CCV1-050221** Batch ID: **R21080** TestNo: **TX1005** Units: **mg/L**
SampType **CCV** Run ID: **GC12_050221B** Analysis Date: **2/21/2005 2:08:44 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	226.8	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	215.9	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	2	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	442.7	2	500	0	88.5	75	125	0		
Surr: 1-Chlorooctane	41.71	0	25	0	167	140	195	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050221B

Sample ID	**CCV1-050221**	Batch ID:	**R21080**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC12_050221B**	Analysis Date:	**2/21/2005 2:08:44 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Surr: Octacosane	25.14	0	25	0	101	85	133	0		

Sample ID	**CCV2-050221**	Batch ID:	**R21080**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC12_050221B**	Analysis Date:	**2/21/2005 3:19:11 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	208.2	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	199.5	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.05342	2	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	407.7	2	500	0	81.5	75	125	0		
Surr: 1-Chlorooctane	39.35	0	25	0	157	140	195	0		
Surr: Octacosane	23.94	0	25	0	95.8	85	133	0		

Sample ID	**ICV-050224**	Batch ID:	**R21080**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC12_050221B**	Analysis Date:	**2/21/2005 9:54:48 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	435.4	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	562.2	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.2456	2	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	997.8	2	1000	0	99.8	75	125	0		
Surr: 1-Chlorooctane	87.66	0	50	0	175	140	195	0		
Surr: Octacosane	50.03	0	50	0	100	85	133	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050223A

Sample ID **MB-18405**	Batch ID: **18405**	TestNo: **TX1005**	Units: **mg/L**
SampType **MBLK**	Run ID: **GC12_050223A**	Analysis Date: **2/23/2005 11:49:13 AM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	ND	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	ND	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	2	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	ND	2	0	0	0	0	0	0		
Surr: 1-Chlorooctane	3.199	0	2.5	0	128	87	147	0		
Surr: Octacosane	2.57	0	2.5	0	103	80	140	0		

Sample ID **LCS-18405**	Batch ID: **18405**	TestNo: **TX1005**	Units: **mg/L**
SampType **LCS**	Run ID: **GC12_050223A**	Analysis Date: **2/23/2005 11:56:15 AM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	22.35	2	25	0	89.4	75	125	0		
Surr: 1-Chlorooctane	3.826	0	2.5	0	153	113	173	0		
Surr: Octacosane	2.444	0	2.5	0	97.8	80	140	0		

Sample ID **LCSD-18405**	Batch ID: **18405**	TestNo: **TX1005**	Units: **mg/L**
SampType **LCSD**	Run ID: **GC12_050223A**	Analysis Date: **2/23/2005 12:03:44 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	22.11	2	25	0	88.5	75	125	1.08	30	
Surr: 1-Chlorooctane	3.792	0	2.5	0	152	113	173	0	0	
Surr: Octacosane	2.499	0	2.5	0	100	80	140	0	0	

Sample ID **CCV1-050223**	Batch ID: **R21105**	TestNo: **TX1005**	Units: **mg/L**
SampType **CCV**	Run ID: **GC12_050223A**	Analysis Date: **2/23/2005 12:17:55 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	246.8	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	215.8	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	2	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	462.6	2	500	0	92.5	75	125	0		
Surr: 1-Chlorooctane	45.81	0	25	0	183	140	195	0		
Surr: Octacosane	25.52	0	25	0	102	85	133	0		

Sample ID **CCV2-050223**	Batch ID: **R21105**	TestNo: **TX1005**	Units: **mg/L**
SampType **CCV**	Run ID: **GC12_050223A**	Analysis Date: **2/23/2005 1:00:28 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	248.4	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	217.6	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.09927	2	0	0	0	0	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050223A

Sample ID	**CCV2-050223**	Batch ID:	**R21105**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC12_050223A**	Analysis Date:	**2/23/2005 1:00:28 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	466.1	2	500	0	93.2	75	125	0		
Surr: 1-Chlorooctane	46.6	0	25	0	186	140	195	0		
Surr: Octacosane	25.5	0	25	0	102	85	133	0		

Sample ID	**ICV-050223**	Batch ID:	**R21105**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC12_050223A**	Analysis Date:	**2/23/2005 9:33:35 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	479.5	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	550.9	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.2761	2	0	0	0	0	0	0		
T/R Hydrocarbons: C6-C35	1031	2	1000	0	103	75	125	0		
Surr: 1-Chlorooctane	96.55	0	50	0	193	140	195	0		
Surr: Octacosane	49.66	0	50	0	99.3	85	133	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050224B

Sample ID	**CCV1-050224**	Batch ID:	**R21134**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC12_050224B**	Analysis Date:	**2/24/2005 3:39:53 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	226.2	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	234.4	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	ND	2	0	0	0	0	0	0		
Surr: 1-Chlorooctane	38.55	0	25	0	154	140	195	0		
Surr: Octacosane	23.76	0	25	0	95	85	133	0		

Sample ID	**CCV2-050224**	Batch ID:	**R21134**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC12_050224B**	Analysis Date:	**2/24/2005 6:20:25 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	236.4	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	302	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.1816	2	0	0	0	0	0	0		
Surr: 1-Chlorooctane	43.63	0	25	0	175	140	195	0		
Surr: Octacosane	24.39	0	25	0	97.6	85	133	0		

Sample ID	**ICV-050224**	Batch ID:	**R21134**	TestNo:	**TX1005**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC12_050224B**	Analysis Date:	**2/24/2005 12:28:27 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	492.7	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C12-C28	628.5	2	0	0	0	0	0	0		
T/R Hydrocarbons: >C28-C35	0.3379	2	0	0	0	0	0	0		
Surr: 1-Chlorooctane	90.35	0	50	0	181	140	195	0		
Surr: Octacosane	50.55	0	50	0	101	85	133	0		

Sample ID	**MB-18381**	Batch ID:	**18381**	TestNo:	**TX1006**	Units:	**mg/L**
SampType	**MBLK**	Run ID:	**GC12_050224B**	Analysis Date:	**2/24/2005 2:34:03 PM**	Prep Date:	**2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
C6-C8 Aliphatics	ND	2								
>C8-C10 Aliphatics	ND	2								
>C10-C12 Aliphatics	ND	2								
>C12-C16 Aliphatics	ND	2								
>C16-C21 Aliphatics	ND	2								
>C21-C35 Aliphatics	ND	2								
C6-C35 Aliphatics	ND	2								
Surr: Octacosane	2.294	0	2.5	0	91.8	60	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_050224B

Sample ID **MB-18381**	Batch ID: **18381**	TestNo: **TX1006**	Units: **mg/L**
SampType **MBLK**	Run ID: **GC12_050224B**	Analysis Date: **2/24/2005 3:32:38 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
>C8-C10 Aromatics	ND	2								
>C10-C12 Aromatics	ND	2								
>C12-C16 Aromatics	ND	2								
>C16-C21 Aromatics	ND	2								
>C21-C35 Aromatics	ND	2								
>C8-C35 Aromatics	ND	2								
Surr: 1-Chlorooctane	1.951	0	2.5	0	78	60	120	0		

Sample ID **LCS-18381**	Batch ID: **18381**	TestNo: **TX1006**	Units: **mg/L**
SampType **LCS**	Run ID: **GC12_050224B**	Analysis Date: **2/24/2005 2:39:23 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
C6-C35 Aliphatics	11.39	2	25	0	45.6	25	70	0		
Surr: Octacosane	2.164	0	2.5	0	86.5	60	120	0		

Sample ID **LCS-18381**	Batch ID: **18381**	TestNo: **TX1006**	Units: **mg/L**
SampType **LCS**	Run ID: **GC12_050224B**	Analysis Date: **2/24/2005 3:52:45 PM**	Prep Date: **2/23/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
>C8-C35 Aromatics	7.2	2	25	0	28.8	15	55	0		
Surr: 1-Chlorooctane	2.261	0	2.5	0	90.5	60	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050214A

Sample ID	MB-18326	Batch ID:	18326	TestNo:	M8015D	Units:	mg/L
SampType	MBLK	Run ID:	GC15_050214A	Analysis Date:	2/14/2005 3:50:16 PM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	1								
TPH-ORO >C28-C35	ND	1								
Surr: o-Terphenyl	1.409	0	1.5	0	94	64	132	0		
Surr: Octacosane	0.5536	0	1.5	0	36.9	26	152	0		

Sample ID	LCS-18326	Batch ID:	18326	TestNo:	M8015D	Units:	mg/L
SampType	LCS	Run ID:	GC15_050214A	Analysis Date:	2/14/2005 3:50:16 PM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	19.51	1	25	0	78	50	114	0		
Surr: o-Terphenyl	1.227	0	1.5	0	81.8	64	132	0		
Surr: Octacosane	0.06745	0	1.5	0	4.5	26	152	0		S

Sample ID	0502068-05IMS	Batch ID:	18326	TestNo:	M8015D	Units:	mg/L
SampType	MS	Run ID:	GC15_050214A	Analysis Date:	2/14/2005 4:43:49 PM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	21.76	1	25	1.142	82.5	50	114	0		
Surr: o-Terphenyl	1.261	0	1.5	0	84.1	64	132	0		
Surr: Octacosane	0.169	0	1.5	0	11.3	26	152	0		S

Sample ID	0502068-05IMSD	Batch ID:	18326	TestNo:	M8015D	Units:	mg/L
SampType	MSD	Run ID:	GC15_050214A	Analysis Date:	2/14/2005 5:09:45 PM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	22.47	1	25	1.142	85.3	50	114	3.18	30	
Surr: o-Terphenyl	1.241	0	1.5	0	82.7	64	132	0	0	
Surr: Octacosane	0.2227	0	1.5	0	14.8	26	152	0	0	S

Sample ID	CCV1-050214	Batch ID:	R21002	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050214A	Analysis Date:	2/14/2005 5:34:55 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	524.6	1	500	0	105	85	115	0		
TPH-ORO >C28-C35	2.112	1	0	0	0	0	0	0		
Surr: o-Terphenyl	15.4	0	20	0	77	64	132	0		
Surr: Octacosane	14.18	0	20	0	70.9	26	152	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050214A

Sample ID	**CCV1-050214**	Batch ID:	**R21002**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC15_050214A**	Analysis Date:	**2/14/2005 5:34:55 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	474	1	500	0	94.8	85	115	0		
TPH-ORO >C28-C35	1.327	1	0	0	0	0	0	0		
Surr: o-Terphenyl	16.52	0	20	0	82.6	64	132	0		
Surr: Octacosane	4.028	0	20	0	20.1	26	152	0		S

Sample ID	**ICV-050214**	Batch ID:	**R21002**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC15_050214A**	Analysis Date:	**2/14/2005 3:25:15 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1061	1	1000	0	106	85	115	0		
TPH-ORO >C28-C35	0.109	1	0	0	0	0	0	0		
Surr: o-Terphenyl	21.01	0	25	0	84	64	132	0		
Surr: Octacosane	6.186	0	25	0	24.7	26	152	0		S

Sample ID	**ICV-050214**	Batch ID:	**R21002**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC15_050214A**	Analysis Date:	**2/14/2005 3:25:15 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	886.4	1	1000	0	88.6	85	115	0		
TPH-ORO >C28-C35	0.4162	1	0	0	0	0	0	0		
Surr: o-Terphenyl	16.87	0	25	0	67.5	64	132	0		
Surr: Octacosane	0.7466	0	25	0	2.99	26	152	0		S

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050215A

Sample ID	CCV2-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 1:02:58 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	528.6	1	500	0	106	85	115	0		
TPH-ORO >C28-C35	1.298	1	0	0	0	0	0	0		
Surr: o-Terphenyl	18.99	0	20	0	95	64	132	0		
Surr: Octacosane	17.17	0	20	0	85.8	26	152	0		

Sample ID	CCV2-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 1:02:58 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	471	1	500	0	94.2	85	115	0		
TPH-ORO >C28-C35	1.665	1	0	0	0	0	0	0		
Surr: o-Terphenyl	18	0	20	0	90	64	132	0		
Surr: Octacosane	11.72	0	20	0	58.6	26	152	0		

Sample ID	ICV-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	ICV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 9:24:40 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1072	1	1000	0	107	85	115	0		
TPH-ORO >C28-C35	ND	1	0	0	0	0	0	0		
Surr: o-Terphenyl	20.99	0	25	0	84	64	132	0		
Surr: Octacosane	8.456	0	25	0	33.8	26	152	0		

Sample ID	ICV-050215	Batch ID:	R21006	TestNo:	M8015D	Units:	mg/L
SampType	ICV	Run ID:	GC15_050215A	Analysis Date:	2/15/2005 9:24:40 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	924.1	1	1000	0	92.4	85	115	0		
TPH-ORO >C28-C35	0.08713	1	0	0	0	0	0	0		
Surr: o-Terphenyl	18.76	0	25	0	75	64	132	0		
Surr: Octacosane	2.725	0	25	0	10.9	26	152	0		S

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_050216A

Sample ID	MB-18338	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MBLK	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 11:35:23 AM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.2								
Surr: Chlorobenzene	0.09147	0	0.1	0	91.5	74	138	0		

Sample ID	LCS-18338	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	LCS	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 11:14:03 AM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.079	0.2	1.25	0	86.4	67	136	0		
Surr: Chlorobenzene	0.08275	0	0.1	0	82.8	74	138	0		

Sample ID	0502068-05BMS	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MS	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 1:05:11 PM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.47	0.2	1.25	0.1355	107	67	136	0		
Surr: Chlorobenzene	0.1374	0	0.1	0	137	74	138	0		

Sample ID	0502068-05BMSD	Batch ID:	18338	TestNo:	M8015V	Units:	mg/L
SampType	MSD	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 1:27:06 PM	Prep Date:	2/16/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	1.463	0.2	1.25	0.1355	106	67	136	0.441	30	
Surr: Chlorobenzene	0.1317	0	0.1	0	132	74	138	0	0	

Sample ID	CCV1-050216	Batch ID:	R21026	TestNo:	M8015V	Units:	mg/L
SampType	CCV	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 4:31:56 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	2.419	0.2	2.5	0	96.8	85	115	0		
Surr: Chlorobenzene	0.1337	0	0.1	0	134	74	138	0		

Sample ID	CCV2-050216	Batch ID:	R21026	TestNo:	M8015V	Units:	mg/L
SampType	CCV	Run ID:	GC4_050216A	Analysis Date:	2/16/2005 8:39:15 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	2.624	0.2	2.5	0	105	85	115	0		
Surr: Chlorobenzene	0.1453	0	0.1	0	145	74	138	0		S

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_050216A

Sample ID **ICV-050216**	Batch ID: **R21026**	TestNo: **M8015V**	Units: **mg/L**
SampType **ICV**	Run ID: **GC4_050216A**	Analysis Date: **2/16/2005 10:38:50 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.492	0.2	5	0	89.8	85	115	0		
Surr: Chlorobenzene	0.1246	0	0.1	0	125	74	138	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050214A

Sample ID	MB-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MBLK	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:13:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	100								
Manganese	ND	10								

Sample ID	LCS-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	LCS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:34:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5165	100	5000	0	103	80	120	0		
Manganese	191.8	10	200	0	95.9	80	120	0		

Sample ID	LCSD-18318	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	LCSD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:38:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5156	100	5000	0	103	80	120	0.174	15	
Manganese	189.5	10	200	0	94.8	80	120	1.21	15	

Sample ID	0502068-05EMS	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:42:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	10770	100	5000	5444	107	80	120	0		
Manganese	201.5	10	200	8.305	96.6	80	120	0		

Sample ID	0502068-05EMSD	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	MSD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:46:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	10810	100	5000	5444	107	80	120	0.371	15	
Manganese	202.5	10	200	8.305	97.1	80	120	0.495	15	

Sample ID	0502068-05EPDS	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	PDS	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:50:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	9971	100	5000	5444	90.5	75	125	0		
Manganese	195.1	10	200	8.305	93.4	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050214A

Sample ID	0502068-05ESD	Batch ID:	18318	TestNo:	SW6020	Units:	µg/L
SampType	SD	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:22:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5695	500	0	5444	0	0	0	4.51	10	
Manganese	ND	50	0	8.305	0	0	0	0	10	

Sample ID	CCV2-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 1:28:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5240	100	5000	0	105	90	110	0		
Manganese	192.8	10	200	0	96.4	90	110	0		

Sample ID	CCV3-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 2:34:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5156	100	5000	0	103	90	110	0		
Manganese	190.8	10	200	0	95.4	90	110	0		

Sample ID	CCV4-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 3:54:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	5268	100	5000	0	105	90	110	0		
Manganese	195.2	10	200	0	97.6	90	110	0		

Sample ID	ICV1-050214	Batch ID:	R20990	TestNo:	SW6020	Units:	µg/L
SampType	ICV	Run ID:	ICP-MS_050214A	Analysis Date:	2/14/2005 11:39:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	2684	100	2500	0	107	90	110	0		
Manganese	101.4	10	100	0	101	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**MB-18314**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 2:41:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4								
1,2-Dichlorobenzene	ND	4								
1,3-Dichlorobenzene	ND	4								
1,4-Dichlorobenzene	ND	4								
2,4,5-Trichlorophenol	ND	4								
2,4,6-Trichlorophenol	ND	4								
2,4-Dichlorophenol	ND	4								
2,4-Dimethylphenol	ND	4								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	4								
2,6-Dinitrotoluene	ND	4								
2-Chloronaphthalene	ND	4								
2-Chlorophenol	ND	4								
2-Methylnaphthalene	ND	4								
2-Methylphenol	ND	4								
2-Nitroaniline	ND	4								
2-Nitrophenol	ND	4								
3,3´-Dichlorobenzidine	ND	4								
3-Nitroaniline	ND	4								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl phenyl ether	ND	4								
4-Chloro-3-methylphenol	ND	4								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	4								
4-Methylphenol	ND	4								
4-Nitroaniline	ND	4								
4-Nitrophenol	ND	20								
Acenaphthene	ND	4								
Acenaphthylene	ND	4								
Aniline	ND	4								
Anthracene	ND	4								
Benzo[a]anthracene	ND	4								
Benzo[a]pyrene	ND	4								
Benzo[b]fluoranthene	ND	4								
Benzo[g,h,i]perylene	ND	4								
Benzo[k]fluoranthene	ND	4								
Benzoic acid	ND	10								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	4								
Bis(2-chloroethyl)ether	ND	4								
Bis(2-chloroisopropyl)ether	ND	4								
Bis(2-ethylhexyl)phthalate	ND	4								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **MB-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MBLK**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:41:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	10								
Carbazole	ND	4								
Chrysene	ND	4								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz[a,h]anthracene	ND	4								
Dibenzofuran	ND	4								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	4								
Fluorene	ND	4								
Hexachlorobenzene	ND	4								
Hexachlorobutadiene	ND	4								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	4								
Indeno[1,2,3-cd]pyrene	ND	4								
Isophorone	ND	4								
N-Nitrosodi-n-propylamine	ND	4								
N-Nitrosodiphenylamine	ND	4								
Naphthalene	ND	4								
Nitrobenzene	ND	4								
Pentachlorophenol	ND	4								
Phenanthrene	ND	4								
Phenol	ND	4								
Pyrene	ND	4								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	70.2	0	80	0	87.8	42	124	0		
Surr: 2-Fluorobiphenyl	66	0	80	0	82.5	48	120	0		
Surr: 2-Fluorophenol	36.8	0	80	0	46	20	120	0		
Surr: 4-Terphenyl-d14	66.8	0	80	0	83.5	51	135	0		
Surr: Nitrobenzene-d5	62.2	0	80	0	77.8	41	120	0		
Surr: Phenol-d6	23.8	0	80	0	29.8	20	120	0		

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	34.2	4	40	0	85.5	37	120	0		
1,2-Dichlorobenzene	35.2	4	40	0	88	33	120	0		
1,3-Dichlorobenzene	34.6	4	40	0	86.5	32	120	0		
1,4-Dichlorobenzene	29.2	4	40	0	73	32	120	0		
2,4,5-Trichlorophenol	34	4	40	0	85	49	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	33.2	4	40	0	83	49	126	0		
2,4-Dichlorophenol	32.6	4	40	0	81.5	48	120	0		
2,4-Dimethylphenol	30.4	4	40	0	76	28	120	0		
2,4-Dinitrophenol	19.2	20	40	0	48	25	130	0		
2,4-Dinitrotoluene	38.8	4	40	0	97	51	120	0		
2,6-Dinitrotoluene	38.8	4	40	0	97	49	120	0		
2-Chloronaphthalene	36.4	4	40	0	91	49	120	0		
2-Chlorophenol	29.6	4	40	0	74	37	120	0		
2-Methylnaphthalene	35.4	4	40	0	88.5	45	105	0		
2-Methylphenol	27.4	4	40	0	68.5	38	120	0		
2-Nitroaniline	36.6	4	40	0	91.5	48	120	0		
2-Nitrophenol	33.4	4	40	0	83.5	39	123	0		
3,3´-Dichlorobenzidine	36.8	4	40	0	92	20	120	0		
3-Nitroaniline	36.4	4	40	0	91	20	126	0		
4,6-Dinitro-2-methylphenol	26	10	40	0	65	40	130	0		
4-Bromophenyl phenyl ether	39.8	4	40	0	99.5	52	120	0		
4-Chloro-3-methylphenol	32.8	4	40	0	82	47	120	0		
4-Chloroaniline	34.2	10	40	0	85.5	20	120	0		
4-Chlorophenyl phenyl ether	39.2	4	40	0	98	50	120	0		
4-Methylphenol	25.2	4	40	0	63	32	120	0		
4-Nitroaniline	33.4	4	40	0	83.5	36	120	0		
4-Nitrophenol	10.8	20	40	0	27	20	120	0		
Acenaphthene	37.4	4	40	0	93.5	45	110	0		
Acenaphthylene	49.8	4	40	0	124	60	150	0		
Aniline	31.6	4	40	0	79	10	140	0		
Anthracene	38	4	40	0	95	55	110	0		
Benzo[a]anthracene	36.6	4	40	0	91.5	55	110	0		
Benzo[a]pyrene	37.2	4	40	0	93	55	110	0		
Benzo[b]fluoranthene	38.2	4	40	0	95.5	45	120	0		
Benzo[g,h,i]perylene	36	4	40	0	90	38	123	0		
Benzo[k]fluoranthene	35.6	4	40	0	89	45	125	0		
Benzoic acid	3.6	10	40	0	9	20	120	0		S
Benzyl alcohol	27	10	40	0	67.5	30	120	0		
Bis(2-chloroethoxy)methane	36.8	4	40	0	92	46	120	0		
Bis(2-chloroethyl)ether	36.8	4	40	0	92	37	120	0		
Bis(2-chloroisopropyl)ether	37.6	4	40	0	94	26	131	0		
Bis(2-ethylhexyl)phthalate	36	4	40	0	90	42	126	0		
Butyl benzyl phthalate	35.8	10	40	0	89.5	46	120	0		
Carbazole	38.8	4	40	0	97	26	125	0		
Chrysene	37	4	40	0	92.5	55	110	0		
Di-n-butyl phthalate	37.8	10	40	0	94.5	54	120	0		
Di-n-octyl phthalate	35.2	10	40	0	88	37	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **LCS-18314**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 2:03:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	35.8	4	40	0	89.5	42	127	0		
Dibenzofuran	38	4	40	0	95	54	120	0		
Diethyl phthalate	37.8	10	40	0	94.5	41	120	0		
Dimethyl phthalate	38.4	10	40	0	96	25	127	0		
Fluoranthene	38.8	4	40	0	97	55	115	0		
Fluorene	39.2	4	40	0	98	50	110	0		
Hexachlorobenzene	39.8	4	40	0	99.5	52	120	0		
Hexachlorobutadiene	33.4	4	40	0	83.5	27	120	0		
Hexachlorocyclopentadiene	40.4	10	40	0	101	27	125	0		
Hexachloroethane	33	4	40	0	82.5	28	120	0		
Indeno[1,2,3-cd]pyrene	36	4	40	0	90	45	125	0		
Isophorone	38.8	4	40	0	97	50	120	0		
N-Nitrosodi-n-propylamine	37.2	4	40	0	93	34	128	0		
N-Nitrosodiphenylamine	38.6	4	40	0	96.5	48	120	0		
Naphthalene	35.4	4	40	0	88.5	40	100	0		
Nitrobenzene	37.4	4	40	0	93.5	44	120	0		
Pentachlorophenol	31.6	4	40	0	79	38	120	0		
Phenanthrene	38.2	4	40	0	95.5	50	115	0		
Phenol	12.2	4	40	0	30.5	20	120	0		
Pyrene	36.6	4	40	0	91.5	50	130	0		
Pyridine	23.4	10	40	0	58.5	20	110	0		
Surr: 2,4,6-Tribromophenol	87	0	80	0	109	42	124	0		
Surr: 2-Fluorobiphenyl	77	0	80	0	96.2	48	120	0		
Surr: 2-Fluorophenol	42.4	0	80	0	53	20	120	0		
Surr: 4-Terphenyl-d14	77.8	0	80	0	97.2	51	135	0		
Surr: Nitrobenzene-d5	74	0	80	0	92.5	41	120	0		
Surr: Phenol-d6	27.4	0	80	0	34.2	20	120	0		

Sample ID **0502068-05HMS**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 11:29:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	38.6	4	40	0	96.5	37	120	0		
1,2-Dichlorobenzene	39.2	4	40	0	98	33	120	0		
1,3-Dichlorobenzene	33.6	4	40	0	84	32	120	0		
1,4-Dichlorobenzene	31.4	4	40	0	78.5	32	120	0		
2,4,5-Trichlorophenol	32.2	4	40	0	80.5	49	120	0		
2,4,6-Trichlorophenol	32.6	4	40	0	81.5	49	126	0		
2,4-Dichlorophenol	31.2	4	40	0	78	48	120	0		
2,4-Dimethylphenol	33.8	4	40	0	84.5	28	120	0		
2,4-Dinitrophenol	32.6	20	40	0	81.5	25	130	0		
2,4-Dinitrotoluene	42	4	40	0	105	51	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**0502068-05HMS**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MS**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 11:29:00 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	43.8	4	40	0	110	49	120	0		
2-Chloronaphthalene	40.2	4	40	0	100	49	120	0		
2-Chlorophenol	28.8	4	40	0	72	37	120	0		
2-Methylnaphthalene	49.2	4	40	10.6	96.5	45	105	0		
2-Methylphenol	27.8	4	40	0	69.5	38	120	0		
2-Nitroaniline	43.4	4	40	0	108	48	120	0		
2-Nitrophenol	30.4	4	40	0	76	39	123	0		
3,3´-Dichlorobenzidine	ND	4	40	0	0	20	120	0		S
3-Nitroaniline	37.2	4	40	0	93	20	126	0		
4,6-Dinitro-2-methylphenol	33.8	10	40	0	84.5	40	130	0		
4-Bromophenyl phenyl ether	44.8	4	40	0	112	52	120	0		
4-Chloro-3-methylphenol	31.4	4	40	0	78.5	47	120	0		
4-Chloroaniline	33.4	10	40	0	83.5	20	120	0		
4-Chlorophenyl phenyl ether	41.8	4	40	0	104	50	120	0		
4-Methylphenol	30.4	4	40	3	68.5	32	120	0		
4-Nitroaniline	35.8	4	40	0	89.5	36	120	0		
4-Nitrophenol	14.6	20	40	0	36.5	20	120	0		
Acenaphthene	41.6	4	40	0	104	45	110	0		
Acenaphthylene	54.6	4	40	0	136	60	150	0		
Aniline	33.6	4	40	0	84	10	140	0		
Anthracene	43.2	4	40	0	108	55	110	0		
Benzo[a]anthracene	40.8	4	40	0	102	55	110	0		
Benzo[a]pyrene	41.8	4	40	0	104	55	110	0		
Benzo[b]fluoranthene	38	4	40	0	95	45	120	0		
Benzo[g,h,i]perylene	40.6	4	40	0	102	38	123	0		
Benzo[k]fluoranthene	41.8	4	40	0	104	45	125	0		
Benzoic acid	8	10	40	0	20	20	120	0		
Benzyl alcohol	32.8	10	40	0	82	30	120	0		
Bis(2-chloroethoxy)methane	40.8	4	40	0	102	46	120	0		
Bis(2-chloroethyl)ether	41.2	4	40	0	103	37	120	0		
Bis(2-chloroisopropyl)ether	41.8	4	40	0	104	26	131	0		
Bis(2-ethylhexyl)phthalate	42.4	4	40	0	106	42	126	0		
Butyl benzyl phthalate	41.8	10	40	0	104	46	120	0		
Carbazole	43.2	4	40	0	108	26	125	0		
Chrysene	40.6	4	40	0	102	55	110	0		
Di-n-butyl phthalate	43.2	10	40	0	108	54	120	0		
Di-n-octyl phthalate	43.4	10	40	0	108	37	137	0		
Dibenz[a,h]anthracene	40.6	4	40	0	102	42	127	0		
Dibenzofuran	41.6	4	40	0	104	54	120	0		
Diethyl phthalate	41.6	10	40	0	104	41	120	0		
Dimethyl phthalate	41.8	10	40	0	104	25	127	0		
Fluoranthene	44	4	40	0	110	55	115	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMS**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 11:29:00 PM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Fluorene	43	4	40	1	105	50	110	0		
Hexachlorobenzene	43.8	4	40	0	110	52	120	0		
Hexachlorobutadiene	38	4	40	0	95	27	120	0		
Hexachlorocyclopentadiene	52.8	10	40	0	132	27	125	0		S
Hexachloroethane	37.6	4	40	0	94	28	120	0		
Indeno[1,2,3-cd]pyrene	40.6	4	40	0	102	45	125	0		
Isophorone	42.4	4	40	0	106	50	120	0		
N-Nitrosodi-n-propylamine	40	4	40	0	100	34	128	0		
N-Nitrosodiphenylamine	46.6	4	40	0	116	48	120	0		
Naphthalene	55	4	40	15.6	98.5	40	100	0		
Nitrobenzene	41.2	4	40	0	103	44	120	0		
Pentachlorophenol	35.2	4	40	0	88	38	120	0		
Phenanthrene	42.6	4	40	0	106	50	115	0		
Phenol	13	4	40	0	32.5	20	120	0		
Pyrene	39.8	4	40	0	99.5	50	130	0		
Pyridine	27.6	10	40	0	69	20	110	0		
Surr: 2,4,6-Tribromophenol	83.8	0	80	0	105	42	124	0		
Surr: 2-Fluorobiphenyl	70	0	80	0	87.5	48	120	0		
Surr: 2-Fluorophenol	45.8	0	80	0	57.2	20	120	0		
Surr: 4-Terphenyl-d14	71.2	0	80	0	89	51	135	0		
Surr: Nitrobenzene-d5	68.2	0	80	0	85.2	41	120	0		
Surr: Phenol-d6	30	0	80	0	37.5	20	120	0		

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	38.8	4	40	0	97	37	120	0.517	20	
1,2-Dichlorobenzene	37.8	4	40	0	94.5	33	120	3.64	20	
1,3-Dichlorobenzene	33.2	4	40	0	83	32	120	1.20	20	
1,4-Dichlorobenzene	30.2	4	40	0	75.5	32	120	3.90	20	
2,4,5-Trichlorophenol	33.8	4	40	0	84.5	49	120	4.85	20	
2,4,6-Trichlorophenol	33.2	4	40	0	83	49	126	1.82	20	
2,4-Dichlorophenol	33.6	4	40	0	84	48	120	7.41	20	
2,4-Dimethylphenol	36	4	40	0	90	28	120	6.30	20	
2,4-Dinitrophenol	35.2	20	40	0	88	25	130	7.67	20	
2,4-Dinitrotoluene	42.2	4	40	0	106	51	120	0.475	20	
2,6-Dinitrotoluene	43.8	4	40	0	110	49	120	0	20	
2-Chloronaphthalene	40	4	40	0	100	49	120	0.499	20	
2-Chlorophenol	29.6	4	40	0	74	37	120	2.74	20	
2-Methylnaphthalene	51.2	4	40	10.6	102	45	105	3.98	20	
2-Methylphenol	29.6	4	40	0	74	38	120	6.27	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**0502068-05HMSD**	Batch ID:	**18314**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/16/2005 12:07:00 AM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2-Nitroaniline	42.6	4	40	0	106	48	120	1.86	20	
2-Nitrophenol	32.8	4	40	0	82	39	123	7.59	20	
3,3´-Dichlorobenzidine	ND	4	40	0	0	20	120	0	20	S
3-Nitroaniline	37.2	4	40	0	93	20	126	0	20	
4,6-Dinitro-2-methylphenol	34.6	10	40	0	86.5	40	130	2.34	20	
4-Bromophenyl phenyl ether	44	4	40	0	110	52	120	1.80	20	
4-Chloro-3-methylphenol	33.2	4	40	0	83	47	120	5.57	20	
4-Chloroaniline	33.2	10	40	0	83	20	120	0.601	20	
4-Chlorophenyl phenyl ether	41.4	4	40	0	104	50	120	0.962	20	
4-Methylphenol	32	4	40	3	72.5	32	120	5.13	20	
4-Nitroaniline	35.8	4	40	0	89.5	36	120	0	20	
4-Nitrophenol	16.2	20	40	0	40.5	20	120	10.4	20	
Acenaphthene	41	4	40	0	103	45	110	1.45	20	
Acenaphthylene	54	4	40	0	135	60	150	1.10	20	
Aniline	30.6	4	40	0	76.5	10	140	9.35	20	
Anthracene	42.4	4	40	0	106	55	110	1.87	20	
Benzo[a]anthracene	40.2	4	40	0	100	55	110	1.48	20	
Benzo[a]pyrene	41.8	4	40	0	104	55	110	0	20	
Benzo[b]fluoranthene	38.8	4	40	0	97	45	120	2.08	20	
Benzo[g,h,i]perylene	41	4	40	0	103	38	123	0.980	20	
Benzo[k]fluoranthene	41	4	40	0	103	45	125	1.93	20	
Benzoic acid	11.2	10	40	0	28	20	120	33.3	20	R
Benzyl alcohol	34.8	10	40	0	87	30	120	5.92	20	
Bis(2-chloroethoxy)methane	40.2	4	40	0	100	46	120	1.48	20	
Bis(2-chloroethyl)ether	40.2	4	40	0	100	37	120	2.46	20	
Bis(2-chloroisopropyl)ether	39.6	4	40	0	99	26	131	5.41	20	
Bis(2-ethylhexyl)phthalate	41.4	4	40	0	104	42	126	2.39	20	
Butyl benzyl phthalate	40.8	10	40	0	102	46	120	2.42	20	
Carbazole	42.2	4	40	0	106	26	125	2.34	20	
Chrysene	39.2	4	40	0	98	55	110	3.51	20	
Di-n-butyl phthalate	42	10	40	0	105	54	120	2.82	20	
Di-n-octyl phthalate	43.6	10	40	0	109	37	137	0.460	20	
Dibenz[a,h]anthracene	40.4	4	40	0	101	42	127	0.494	20	
Dibenzofuran	40.4	4	40	0	101	54	120	2.93	20	
Diethyl phthalate	41.2	10	40	0	103	41	120	0.966	20	
Dimethyl phthalate	41.6	10	40	0	104	25	127	0.480	20	
Fluoranthene	42.6	4	40	0	106	55	115	3.23	20	
Fluorene	42.4	4	40	1	104	50	110	1.41	20	
Hexachlorobenzene	43.4	4	40	0	108	52	120	0.917	20	
Hexachlorobutadiene	38.6	4	40	0	96.5	27	120	1.57	20	
Hexachlorocyclopentadiene	52	10	40	0	130	27	125	1.53	20	S
Hexachloroethane	36.8	4	40	0	92	28	120	2.15	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **0502068-05HMSD**	Batch ID: **18314**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS3_050215A**	Analysis Date: **2/16/2005 12:07:00 AM**	Prep Date: **2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Indeno[1,2,3-cd]pyrene	40.4	4	40	0	101	45	125	0.494	20	
Isophorone	42.4	4	40	0	106	50	120	0	20	
N-Nitrosodi-n-propylamine	39.2	4	40	0	98	34	128	2.02	20	
N-Nitrosodiphenylamine	45.8	4	40	0	114	48	120	1.73	20	
Naphthalene	56.8	4	40	15.6	103	40	100	3.22	20	S
Nitrobenzene	40.6	4	40	0	102	44	120	1.47	20	
Pentachlorophenol	36.8	4	40	0	92	38	120	4.44	20	
Phenanthrene	42.6	4	40	0	106	50	115	0	20	
Phenol	13.8	4	40	0	34.5	20	120	5.97	20	
Pyrene	39.6	4	40	0	99	50	130	0.504	20	
Pyridine	19.8	10	40	0	49.5	20	110	32.9	20	R
Surr: 2,4,6-Tribromophenol	76.6	0	80	0	95.8	42	124	0	0	
Surr: 2-Fluorobiphenyl	64.4	0	80	0	80.5	48	120	0	0	
Surr: 2-Fluorophenol	44.8	0	80	0	56	20	120	0	0	
Surr: 4-Terphenyl-d14	65.2	0	80	0	81.5	51	135	0	0	
Surr: Nitrobenzene-d5	62	0	80	0	77.5	41	120	0	0	
Surr: Phenol-d6	30.6	0	80	0	38.2	20	120	0	0	

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3950	4	4000	0	98.8	80	120	0		
1,2-Dichlorobenzene	4050	4	4000	0	101	80	120	0		
1,3-Dichlorobenzene	3990	4	4000	0	99.8	80	120	0		
1,4-Dichlorobenzene	3480	4	4000	0	87	80	120	0		
2,4,5-Trichlorophenol	4090	4	4000	0	102	80	120	0		
2,4,6-Trichlorophenol	4070	4	4000	0	102	80	120	0		
2,4-Dichlorophenol	4130	4	4000	0	103	80	120	0		
2,4-Dimethylphenol	3360	4	4000	0	84	80	120	0		
2,4-Dinitrophenol	3650	20	4000	0	91.2	80	120	0		
2,4-Dinitrotoluene	4020	4	4000	0	101	80	120	0		
2,6-Dinitrotoluene	4120	4	4000	0	103	80	120	0		
2-Chloronaphthalene	3820	4	4000	0	95.5	80	120	0		
2-Chlorophenol	4100	4	4000	0	103	80	120	0		
2-Methylnaphthalene	3900	4	4000	0	97.5	80	120	0		
2-Methylphenol	4000	4	4000	0	100	80	120	0		
2-Nitroaniline	3880	4	4000	0	97	80	120	0		
2-Nitrophenol	4120	4	4000	0	103	80	120	0		
3,3´-Dichlorobenzidine	3970	4	4000	0	99.2	70	130	0		
3-Nitroaniline	4070	4	4000	0	102	80	120	0		
4,6-Dinitro-2-methylphenol	4070	10	4000	0	102	70	130	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID **ICV1-050215**	Batch ID: **R21005**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050215A**	Analysis Date: **2/15/2005 1:25:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	4150	4	4000	0	104	80	120	0		
4-Chloro-3-methylphenol	3980	4	4000	0	99.5	70	130	0		
4-Chloroaniline	3800	10	4000	0	95	80	120	0		
4-Chlorophenyl phenyl ether	4010	4	4000	0	100	80	120	0		
4-Methylphenol	4000	4	4000	0	100	80	120	0		
4-Nitroaniline	3990	4	4000	0	99.8	80	120	0		
4-Nitrophenol	3620	20	4000	0	90.5	60	140	0		
Acenaphthene	3850	4	4000	0	96.2	80	120	0		
Acenaphthylene	3790	4	4000	0	94.8	80	120	0		
Aniline	4020	4	4000	0	101	80	120	0		
Anthracene	3740	4	4000	0	93.5	80	120	0		
Benzo[a]anthracene	3720	4	4000	0	93	80	120	0		
Benzo[a]pyrene	3870	4	4000	0	96.8	80	120	0		
Benzo[b]fluoranthene	3850	4	4000	0	96.2	80	120	0		
Benzo[g,h,i]perylene	3960	4	4000	0	99	80	120	0		
Benzo[k]fluoranthene	3810	4	4000	0	95.2	80	120	0		
Benzoic acid	3870	10	4000	0	96.8	70	130	0		
Benzyl alcohol	4120	10	4000	0	103	70	130	0		
Bis(2-chloroethoxy)methane	3820	4	4000	0	95.5	80	120	0		
Bis(2-chloroethyl)ether	4180	4	4000	0	104	80	120	0		
Bis(2-chloroisopropyl)ether	3990	4	4000	0	99.8	80	120	0		
Bis(2-ethylhexyl)phthalate	3770	4	4000	0	94.3	80	120	0		
Butyl benzyl phthalate	3640	10	4000	0	91	80	120	0		
Carbazole	3870	4	4000	0	96.8	80	120	0		
Chrysene	3670	4	4000	0	91.8	80	120	0		
Di-n-butyl phthalate	3590	10	4000	0	89.8	80	120	0		
Di-n-octyl phthalate	3900	10	4000	0	97.5	80	120	0		
Dibenz[a,h]anthracene	3970	4	4000	0	99.2	80	120	0		
Dibenzofuran	3960	4	4000	0	99	80	120	0		
Diethyl phthalate	3750	10	4000	0	93.8	80	120	0		
Dimethyl phthalate	3850	10	4000	0	96.2	80	120	0		
Fluoranthene	3870	4	4000	0	96.8	80	120	0		
Fluorene	3860	4	4000	0	96.5	80	120	0		
Hexachlorobenzene	4110	4	4000	0	103	80	120	0		
Hexachlorobutadiene	4050	4	4000	0	101	80	120	0		
Hexachlorocyclopentadiene	3320	10	4000	0	83	70	130	0		
Hexachloroethane	4050	4	4000	0	101	80	120	0		
Indeno[1,2,3-cd]pyrene	3980	4	4000	0	99.5	80	120	0		
Isophorone	3860	4	4000	0	96.5	80	120	0		
N-Nitrosodi-n-propylamine	3910	4	4000	0	97.8	80	120	0		
N-Nitrosodiphenylamine	3870	4	4000	0	96.8	80	120	0		
Naphthalene	3870	4	4000	0	96.8	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050215A

Sample ID	**ICV1-050215**	Batch ID:	**R21005**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS3_050215A**	Analysis Date:	**2/15/2005 1:25:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrobenzene	3860	4	4000	0	96.5	80	120	0		
Pentachlorophenol	4380	4	4000	0	110	80	120	0		
Phenanthrene	3790	4	4000	0	94.8	80	120	0		
Phenol	3770	4	4000	0	94.3	80	120	0		
Pyrene	3700	4	4000	0	92.5	80	120	0		
Pyridine	4760	10	4000	0	119	70	130	0		
Surr: 2,4,6-Tribromophenol	4400	0	4000	0	110	80	120	0		
Surr: 2-Fluorobiphenyl	3960	0	4000	0	99	80	120	0		
Surr: 2-Fluorophenol	4310	0	4000	0	108	80	120	0		
Surr: 4-Terphenyl-d14	3860	0	4000	0	96.5	80	120	0		
Surr: Nitrobenzene-d5	3910	0	4000	0	97.8	80	120	0		
Surr: Phenol-d6	4110	0	4000	0	103	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050216B

Sample ID **ICV2-050216**	Batch ID: **R21041**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050216B**	Analysis Date: **2/17/2005 12:24:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3870	4	4000	0	96.8	80	120	0		
1,2-Dichlorobenzene	3840	4	4000	0	96	80	120	0		
1,3-Dichlorobenzene	3740	4	4000	0	93.5	80	120	0		
1,4-Dichlorobenzene	3650	4	4000	0	91.2	80	120	0		
2,4,5-Trichlorophenol	3970	4	4000	0	99.2	80	120	0		
2,4,6-Trichlorophenol	3960	4	4000	0	99	80	120	0		
2,4-Dichlorophenol	4060	4	4000	0	102	80	120	0		
2,4-Dimethylphenol	3140	4	4000	0	78.5	80	120	0		S
2,4-Dinitrophenol	3620	20	4000	0	90.5	80	120	0		
2,4-Dinitrotoluene	3910	4	4000	0	97.8	80	120	0		
2,6-Dinitrotoluene	4060	4	4000	0	102	80	120	0		
2-Chloronaphthalene	3780	4	4000	0	94.5	80	120	0		
2-Chlorophenol	3910	4	4000	0	97.8	80	120	0		
2-Methylnaphthalene	3850	4	4000	0	96.2	80	120	0		
2-Methylphenol	3820	4	4000	0	95.5	80	120	0		
2-Nitroaniline	3810	4	4000	0	95.2	80	120	0		
2-Nitrophenol	4080	4	4000	0	102	80	120	0		
3,3´-Dichlorobenzidine	3950	4	4000	0	98.8	70	130	0		
3-Nitroaniline	4020	4	4000	0	101	80	120	0		
4,6-Dinitro-2-methylphenol	4110	10	4000	0	103	70	130	0		
4-Bromophenyl phenyl ether	4160	4	4000	0	104	80	120	0		
4-Chloro-3-methylphenol	3990	4	4000	0	99.8	70	130	0		
4-Chloroaniline	3700	10	4000	0	92.5	80	120	0		
4-Chlorophenyl phenyl ether	3920	4	4000	0	98	80	120	0		
4-Methylphenol	3780	4	4000	0	94.5	80	120	0		
4-Nitroaniline	3940	4	4000	0	98.5	80	120	0		
4-Nitrophenol	3750	20	4000	0	93.8	60	140	0		
Acenaphthene	3750	4	4000	0	93.8	80	120	0		
Acenaphthylene	3900	4	4000	0	97.5	80	120	0		
Aniline	3800	4	4000	0	95	80	120	0		
Anthracene	3700	4	4000	0	92.5	80	120	0		
Benzo[a]anthracene	3730	4	4000	0	93.2	80	120	0		
Benzo[a]pyrene	3780	4	4000	0	94.5	80	120	0		
Benzo[b]fluoranthene	3700	4	4000	0	92.5	80	120	0		
Benzo[g,h,i]perylene	3560	4	4000	0	89	80	120	0		
Benzo[k]fluoranthene	3870	4	4000	0	96.8	80	120	0		
Benzoic acid	3820	10	4000	0	95.5	70	130	0		
Benzyl alcohol	4010	10	4000	0	100	70	130	0		
Bis(2-chloroethoxy)methane	3820	4	4000	0	95.5	80	120	0		
Bis(2-chloroethyl)ether	3980	4	4000	0	99.5	80	120	0		
Bis(2-chloroisopropyl)ether	3820	4	4000	0	95.5	80	120	0		
Bis(2-ethylhexyl)phthalate	3810	4	4000	0	95.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050216B

Sample ID **ICV2-050216**	Batch ID: **R21041**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050216B**	Analysis Date: **2/17/2005 12:24:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	3700	10	4000	0	92.5	80	120	0		
Carbazole	3860	4	4000	0	96.5	80	120	0		
Chrysene	3660	4	4000	0	91.5	80	120	0		
Di-n-butyl phthalate	3590	10	4000	0	89.8	80	120	0		
Di-n-octyl phthalate	3980	10	4000	0	99.5	80	120	0		
Dibenz[a,h]anthracene	3630	4	4000	0	90.8	80	120	0		
Dibenzofuran	3840	4	4000	0	96	80	120	0		
Diethyl phthalate	3700	10	4000	0	92.5	80	120	0		
Dimethyl phthalate	3830	10	4000	0	95.8	80	120	0		
Fluoranthene	3850	4	4000	0	96.2	80	120	0		
Fluorene	3870	4	4000	0	96.8	80	120	0		
Hexachlorobenzene	4110	4	4000	0	103	80	120	0		
Hexachlorobutadiene	4040	4	4000	0	101	80	120	0		
Hexachlorocyclopentadiene	3610	10	4000	0	90.2	70	130	0		
Hexachloroethane	3840	4	4000	0	96	80	120	0		
Indeno[1,2,3-cd]pyrene	3690	4	4000	0	92.2	80	120	0		
Isophorone	3860	4	4000	0	96.5	80	120	0		
N-Nitrosodi-n-propylamine	3790	4	4000	0	94.8	80	120	0		
N-Nitrosodiphenylamine	3880	4	4000	0	97	80	120	0		
Naphthalene	3830	4	4000	0	95.8	80	120	0		
Nitrobenzene	3860	4	4000	0	96.5	80	120	0		
Pentachlorophenol	4300	4	4000	0	108	80	120	0		
Phenanthrene	3840	4	4000	0	96	80	120	0		
Phenol	3630	4	4000	0	90.8	80	120	0		
Pyrene	3740	4	4000	0	93.5	80	120	0		
Pyridine	4520	10	4000	0	113	70	130	0		
Surr: 2,4,6-Tribromophenol	4500	0	4000	0	112	80	120	0		
Surr: 2-Fluorobiphenyl	3930	0	4000	0	98.2	80	120	0		
Surr: 2-Fluorophenol	4040	0	4000	0	101	80	120	0		
Surr: 4-Terphenyl-d14	3870	0	4000	0	96.8	80	120	0		
Surr: Nitrobenzene-d5	3860	0	4000	0	96.5	80	120	0		
Surr: Phenol-d6	3920	0	4000	0	98	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**MB-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 12:06:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,1,2-Trichloroethane	ND	1								
1,1-Dichloroethane	ND	1								
1,1-Dichloroethene	ND	1								
1,1-Dichloropropene	ND	1								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	1								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	10								
1,2-Dibromoethane	ND	1								
1,2-Dichlorobenzene	ND	1								
1,2-Dichloroethane	ND	1								
1,2-Dichloropropane	ND	1								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	1								
1,3-Dichloropropane	ND	1								
1,4-Dichlorobenzene	ND	1								
2,2-Dichloropropane	ND	1								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	1								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	1								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	15								
Benzene	ND	1								
Bromobenzene	ND	1								
Bromochloromethane	ND	1								
Bromodichloromethane	ND	1								
Bromoform	ND	1								
Bromomethane	ND	1								
Carbon disulfide	ND	15								
Carbon tetrachloride	ND	1								
Chlorobenzene	ND	1								
Chloroethane	ND	1								
Chloroform	ND	1								
Chloromethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
cis-1,3-Dichloropropene	ND	1								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**MB-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 12:06:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1								
Dibromomethane	ND	1								
Dichlorodifluoromethane	ND	1								
Ethylbenzene	ND	1								
Hexachlorobutadiene	ND	3								
Iodomethane	ND	15								
Isopropylbenzene	ND	1								
m,p-Xylene	ND	2								
Methyl tert-butyl ether	ND	1								
Methylene chloride	ND	2.5								
n-Butylbenzene	ND	1								
n-Propylbenzene	ND	1								
Naphthalene	ND	15								
o-Xylene	ND	1								
p-Isopropyltoluene	ND	1								
sec-Butylbenzene	ND	1								
Styrene	ND	1								
tert-Butylbenzene	ND	1								
Tetrachloroethene	ND	2								
Toluene	ND	2								
trans-1,2-Dichloroethene	ND	1								
trans-1,3-Dichloropropene	ND	1								
Trichloroethene	ND	2								
Trichlorofluoromethane	ND	1								
Vinyl chloride	ND	1								
Surr: 1,2-Dichloroethane-d4	51.95	0	50	0	104	72	119	0		
Surr: 4-Bromofluorobenzene	50.52	0	50	0	101	76	119	0		
Surr: Dibromofluoromethane	53.35	0	50	0	107	85	115	0		
Surr: Toluene-d8	48.11	0	50	0	96.2	81	120	0		

Sample ID	**LCS-18332**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**LCS**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 11:09:00 PM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	23.75	1	23.2	0	102	81	129	0		
1,1,1-Trichloroethane	25.15	1	23.2	0	108	67	132	0		
1,1,2,2-Tetrachloroethane	22.75	1	23.2	0	98.1	63	128	0		
1,1,2-Trichloroethane	24.77	1	23.2	0	107	75	125	0		
1,1-Dichloroethane	24.74	1	23.2	0	107	69	133	0		
1,1-Dichloroethene	24.84	1	23.2	0	107	68	130	0		
1,1-Dichloropropene	23.27	1	23.2	0	100	73	132	0		
1,2,3-Trichlorobenzene	20.77	5	23.2	0	89.5	67	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **LCS-18332**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/14/2005 11:09:00 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	23.85	1	23.2	0	103	73	124	0		
1,2,4-Trichlorobenzene	19.85	5	23.2	0	85.6	66	134	0		
1,2,4-Trimethylbenzene	22.58	5	23.2	0	97.3	74	132	0		
1,2-Dibromo-3-chloropropane	20.31	10	23.2	0	87.5	50	132	0		
1,2-Dibromoethane	23.82	1	23.2	0	103	80	121	0		
1,2-Dichlorobenzene	21.54	1	23.2	0	92.8	75	125	0		
1,2-Dichloroethane	25.2	1	23.2	0	109	68	127	0		
1,2-Dichloropropane	25.22	1	23.2	0	109	75	125	0		
1,3,5-Trimethylbenzene	23.7	5	23.2	0	102	74	131	0		
1,3-Dichlorobenzene	24.13	1	23.2	0	104	75	124	0		
1,3-Dichloropropane	21.59	1	23.2	0	93.1	73	126	0		
1,4-Dichlorobenzene	23.91	1	23.2	0	103	74	123	0		
2,2-Dichloropropane	23.86	1	23.2	0	103	69	137	0		
2-Butanone	24.07	15	23.2	0	104	60	135	0		
2-Chloroethylvinylether	19.46	15	23.2	0	83.9	50	150	0		
2-Chlorotoluene	21.99	1	23.2	0	94.8	73	126	0		
2-Hexanone	23.84	15	23.2	0	103	50	150	0		
4-Chlorotoluene	22.05	1	23.2	0	95	74	128	0		
4-Methyl-2-pentanone	21.04	15	23.2	0	90.7	60	135	0		
Acetone	25.06	15	23.2	0	108	40	135	0		
Benzene	26	1	23.2	0	112	80	120	0		
Bromobenzene	22.98	1	23.2	0	99.1	76	124	0		
Bromochloromethane	25.16	1	23.2	0	108	65	129	0		
Bromodichloromethane	25.13	1	23.2	0	108	76	121	0		
Bromoform	24.78	1	23.2	0	107	69	128	0		
Bromomethane	23.22	1	23.2	0	100	53	141	0		
Carbon disulfide	25.19	15	23.2	0	109	50	150	0		
Carbon tetrachloride	24.28	1	23.2	0	105	66	138	0		
Chlorobenzene	22.77	1	23.2	0	98.1	81	122	0		
Chloroethane	23.95	1	23.2	0	103	58	133	0		
Chloroform	24.93	1	23.2	0	107	69	128	0		
Chloromethane	26.54	1	23.2	0	114	56	131	0		
cis-1,2-Dichloroethene	26.19	1	23.2	0	113	72	126	0		
cis-1,3-Dichloropropene	23.28	1	23.2	0	100	69	131	0		
Dibromochloromethane	22.88	1	23.2	0	98.6	66	133	0		
Dibromomethane	24.46	1	23.2	0	105	76	125	0		
Dichlorodifluoromethane	23.34	1	23.2	0	101	53	153	0		
Ethylbenzene	25.36	1	23.2	0	109	80	120	0		
Hexachlorobutadiene	24	3	23.2	0	103	67	131	0		
Iodomethane	27.03	15	23.2	0	117	50	150	0		
Isopropylbenzene	21.35	1	23.2	0	92	75	127	0		
m,p-Xylene	50.6	2	46.4	0	109	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **LCS-18332**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/14/2005 11:09:00 PM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	25.26	1	23.2	0	109	68	130	0		
Methylene chloride	25.81	2.5	23.2	0	111	63	137	0		
n-Butylbenzene	21.2	1	23.2	0	91.4	69	137	0		
n-Propylbenzene	23.06	1	23.2	0	99.4	72	129	0		
Naphthalene	21.64	15	23.2	0	93.3	54	138	0		
o-Xylene	21.24	1	23.2	0	91.6	80	120	0		
p-Isopropyltoluene	21.42	1	23.2	0	92.3	73	130	0		
sec-Butylbenzene	22	1	23.2	0	94.8	72	127	0		
Styrene	22.09	1	23.2	0	95.2	65	134	0		
tert-Butylbenzene	21.81	1	23.2	0	94	70	129	0		
Tetrachloroethene	22.75	2	23.2	0	98.1	66	128	0		
Toluene	25.16	2	23.2	0	108	80	120	0		
trans-1,2-Dichloroethene	25.2	1	23.2	0	109	63	137	0		
trans-1,3-Dichloropropene	24.39	1	23.2	0	105	59	135	0		
Trichloroethene	24.38	2	23.2	0	105	70	127	0		
Trichlorofluoromethane	25.19	1	23.2	0	109	57	129	0		
Vinyl chloride	25.49	1	23.2	0	110	50	134	0		
Surr: 1,2-Dichloroethane-d4	53.04	0	50	0	106	72	119	0		
Surr: 4-Bromofluorobenzene	48.81	0	50	0	97.6	76	119	0		
Surr: Dibromofluoromethane	52.67	0	50	0	105	85	115	0		
Surr: Toluene-d8	47.83	0	50	0	95.7	81	120	0		

Sample ID **0502068-05A MS**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 9:41:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	21.79	1	23.2	0	93.9	81	129	0		
1,1,1-Trichloroethane	24.48	1	23.2	0	106	67	132	0		
1,1,2,2-Tetrachloroethane	21.73	1	23.2	0	93.7	63	128	0		
1,1,2-Trichloroethane	23.39	1	23.2	0	101	75	125	0		
1,1-Dichloroethane	24	1	23.2	0	103	69	133	0		
1,1-Dichloroethene	24.78	1	23.2	0	107	68	130	0		
1,1-Dichloropropene	23.47	1	23.2	0	101	73	132	0		
1,2,3-Trichlorobenzene	22.98	5	23.2	0	99.1	67	137	0		
1,2,3-Trichloropropane	22.81	1	23.2	0	98.3	73	124	0		
1,2,4-Trichlorobenzene	24.72	5	23.2	0	107	66	134	0		
1,2,4-Trimethylbenzene	28.25	5	23.2	3.58	106	74	132	0		
1,2-Dibromo-3-chloropropane	22.15	10	23.2	0	95.5	50	132	0		
1,2-Dibromoethane	21.53	1	23.2	0	92.8	80	121	0		
1,2-Dichlorobenzene	21.34	1	23.2	0	92	75	125	0		
1,2-Dichloroethane	24.14	1	23.2	0	104	68	127	0		
1,2-Dichloropropane	24.63	1	23.2	0	106	75	125	0		

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MS**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MS**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 9:41:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	25.54	5	23.2	0	110	74	131	0		
1,3-Dichlorobenzene	23.67	1	23.2	0	102	75	124	0		
1,3-Dichloropropane	20.16	1	23.2	0	86.9	73	126	0		
1,4-Dichlorobenzene	23.23	1	23.2	0	100	74	123	0		
2,2-Dichloropropane	26.65	1	23.2	0	115	69	137	0		
2-Butanone	24.18	15	23.2	0	104	60	135	0		
2-Chlorotoluene	22.35	1	23.2	0	96.3	73	126	0		
2-Hexanone	24.62	15	23.2	0	106	50	150	0		
4-Chlorotoluene	22.26	1	23.2	1.3	90.3	74	128	0		
4-Methyl-2-pentanone	21.9	15	23.2	0	94.4	60	135	0		
Acetone	28.2	15	23.2	0	122	40	135	0		
Benzene	25.51	1	23.2	0.49	108	80	120	0		
Bromobenzene	21.85	1	23.2	0	94.2	76	124	0		
Bromochloromethane	23.51	1	23.2	0	101	65	129	0		
Bromodichloromethane	23.87	1	23.2	0	103	76	121	0		
Bromoform	21.68	1	23.2	0	93.4	69	128	0		
Bromomethane	20.94	1	23.2	0	90.3	53	141	0		
Carbon disulfide	26.01	15	23.2	0	112	50	150	0		
Carbon tetrachloride	23.7	1	23.2	0	102	66	138	0		
Chlorobenzene	21.04	1	23.2	0	90.7	81	122	0		
Chloroethane	26.27	1	23.2	0	113	58	133	0		
Chloroform	24.13	1	23.2	0	104	69	128	0		
Chloromethane	24.33	1	23.2	0	105	56	131	0		
cis-1,2-Dichloroethene	28.12	1	23.2	2.4	111	72	126	0		
cis-1,3-Dichloropropene	19.5	1	23.2	0	84.1	69	131	0		
Dibromochloromethane	20.88	1	23.2	0	90	66	133	0		
Dibromomethane	23.86	1	23.2	0	103	76	125	0		
Dichlorodifluoromethane	27.55	1	23.2	0	119	53	153	0		
Ethylbenzene	24.91	1	23.2	1.33	102	80	120	0		
Hexachlorobutadiene	27.1	3	23.2	0	117	67	131	0		
Iodomethane	29.27	15	23.2	0	126	50	150	0		
Isopropylbenzene	20.8	1	23.2	2.19	80.2	75	127	0		
m,p-Xylene	51.65	2	46.4	0	111	80	120	0		
Methyl tert-butyl ether	26.6	1	23.2	0	115	68	130	0		
Methylene chloride	26.01	2.5	23.2	0	112	63	137	0		
n-Butylbenzene	24.11	1	23.2	0	104	69	137	0		
n-Propylbenzene	23.94	1	23.2	0.62	101	72	129	0		
Naphthalene	48.61	15	23.2	22.56	112	54	138	0		
o-Xylene	23.17	1	23.2	3.33	85.5	80	120	0		
p-Isopropyltoluene	22.99	1	23.2	2.4	88.8	73	130	0		
sec-Butylbenzene	22.45	1	23.2	0	96.8	72	127	0		
Styrene	20.74	1	23.2	0	89.4	65	134	0		

Qualifiers:
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CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID **0502068-05A MS**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 9:41:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
tert-Butylbenzene	21.98	1	23.2	0	94.7	70	129	0		
Tetrachloroethene	21.24	2	23.2	0	91.6	66	128	0		
Toluene	27.05	2	23.2	1.14	112	80	120	0		
trans-1,2-Dichloroethene	24.97	1	23.2	0	108	63	137	0		
trans-1,3-Dichloropropene	23.14	1	23.2	0	99.7	59	135	0		
Trichloroethene	23.8	2	23.2	0	103	70	127	0		
Trichlorofluoromethane	26.56	1	23.2	0	114	57	129	0		
Vinyl chloride	26.69	1	23.2	0	115	50	134	0		
Surr: 1,2-Dichloroethane-d4	53.29	0	50	0	107	72	119	0		
Surr: 4-Bromofluorobenzene	50.26	0	50	0	101	76	119	0		
Surr: Dibromofluoromethane	52.64	0	50	0	105	85	115	0		
Surr: Toluene-d8	46.21	0	50	0	92.4	81	120	0		

Sample ID **0502068-05A MSD**	Batch ID: **18332**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS5_050214B**	Analysis Date: **2/15/2005 10:10:00 AM**	Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	22.13	1	23.2	0	95.4	81	129	1.55	20	
1,1,1-Trichloroethane	25.82	1	23.2	0	111	67	132	5.33	20	
1,1,2,2-Tetrachloroethane	22.68	1	23.2	0	97.8	63	128	4.28	20	
1,1,2-Trichloroethane	24.54	1	23.2	0	106	75	125	4.80	20	
1,1-Dichloroethane	25.64	1	23.2	0	111	69	133	6.61	20	
1,1-Dichloroethene	26.18	1	23.2	0	113	68	130	5.49	20	
1,1-Dichloropropene	25.19	1	23.2	0	109	73	132	7.07	20	
1,2,3-Trichlorobenzene	24.3	5	23.2	0	105	67	137	5.58	20	
1,2,3-Trichloropropane	23.76	1	23.2	0	102	73	124	4.08	20	
1,2,4-Trichlorobenzene	25.64	5	23.2	0	111	66	134	3.65	20	
1,2,4-Trimethylbenzene	29.23	5	23.2	3.58	111	74	132	3.41	20	
1,2-Dibromo-3-chloropropane	24.42	10	23.2	0	105	50	132	9.75	20	
1,2-Dibromoethane	22.84	1	23.2	0	98.4	80	121	5.90	20	
1,2-Dichlorobenzene	21.67	1	23.2	0	93.4	75	125	1.53	20	
1,2-Dichloroethane	26.24	1	23.2	0	113	68	127	8.34	20	
1,2-Dichloropropane	26.65	1	23.2	0	115	75	125	7.88	20	
1,3,5-Trimethylbenzene	26.78	5	23.2	0	115	74	131	4.74	20	
1,3-Dichlorobenzene	24.64	1	23.2	0	106	75	124	4.02	20	
1,3-Dichloropropane	21.38	1	23.2	0	92.2	73	126	5.87	20	
1,4-Dichlorobenzene	23.59	1	23.2	0	102	74	123	1.54	20	
2,2-Dichloropropane	28.55	1	23.2	0	123	69	137	6.88	20	
2-Butanone	26.67	15	23.2	0	115	60	135	9.79	20	
2-Chlorotoluene	23.72	1	23.2	0	102	73	126	5.95	20	
2-Hexanone	27.43	15	23.2	0	118	50	150	10.8	20	
4-Chlorotoluene	23.33	1	23.2	1.3	95	74	128	4.69	20	

Qualifiers:
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	0502068-05A MSD	Batch ID:	18332	TestNo:	SW8260B	Units:	µg/L
SampType	MSD	Run ID:	GCMS5_050214B	Analysis Date:	2/15/2005 10:10:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	23.61	15	23.2	0	102	60	135	7.51	20	
Acetone	30.51	15	23.2	0	132	40	135	7.87	20	
Benzene	27.41	1	23.2	0.49	116	80	120	7.18	20	
Bromobenzene	22.7	1	23.2	0	97.8	76	124	3.82	20	
Bromochloromethane	24.34	1	23.2	0	105	65	129	3.47	20	
Bromodichloromethane	25.26	1	23.2	0	109	76	121	5.66	20	
Bromoform	21.87	1	23.2	0	94.3	69	128	0.873	20	
Bromomethane	22.88	1	23.2	0	98.6	53	141	8.85	20	
Carbon disulfide	27.31	15	23.2	0	118	50	150	4.88	20	
Carbon tetrachloride	25.26	1	23.2	0	109	66	138	6.37	20	
Chlorobenzene	21.25	1	23.2	0	91.6	81	122	0.993	20	
Chloroethane	28.6	1	23.2	0	123	58	133	8.49	20	
Chloroform	25.58	1	23.2	0	110	69	128	5.83	20	
Chloromethane	27.22	1	23.2	0	117	56	131	11.2	20	
cis-1,2-Dichloroethene	30.31	1	23.2	2.4	120	72	126	7.50	20	
cis-1,3-Dichloropropene	21.36	1	23.2	0	92.1	69	131	9.10	20	
Dibromochloromethane	21.82	1	23.2	0	94.1	66	133	4.40	20	
Dibromomethane	24.61	1	23.2	0	106	76	125	3.09	20	
Dichlorodifluoromethane	29.8	1	23.2	0	128	53	153	7.85	20	
Ethylbenzene	25.26	1	23.2	1.33	103	80	120	1.40	20	
Hexachlorobutadiene	27.94	3	23.2	0	120	67	131	3.05	20	
Iodomethane	31.92	15	23.2	0	138	50	150	8.66	20	
Isopropylbenzene	22.37	1	23.2	2.19	87	75	127	7.27	20	
m,p-Xylene	53.17	2	46.4	0	115	80	120	2.90	20	
Methyl tert-butyl ether	29.31	1	23.2	0	126	68	130	9.69	20	
Methylene chloride	27.67	2.5	23.2	0	119	63	137	6.18	20	
n-Butylbenzene	25.09	1	23.2	0	108	69	137	3.98	20	
n-Propylbenzene	24.83	1	23.2	0.62	104	72	129	3.65	20	
Naphthalene	51.6	15	23.2	22.56	125	54	138	5.97	20	
o-Xylene	24.56	1	23.2	3.33	91.5	80	120	5.82	20	
p-Isopropyltoluene	23.82	1	23.2	2.4	92.3	73	130	3.55	20	
sec-Butylbenzene	23.14	1	23.2	0	99.7	72	127	3.03	20	
Styrene	21.66	1	23.2	0	93.4	65	134	4.34	20	
tert-Butylbenzene	22.84	1	23.2	0	98.4	70	129	3.84	20	
Tetrachloroethene	21.47	2	23.2	0	92.5	66	128	1.08	20	
Toluene	27.73	2	23.2	1.14	115	80	120	2.48	20	
trans-1,2-Dichloroethene	26.84	1	23.2	0	116	63	137	7.22	20	
trans-1,3-Dichloropropene	24.88	1	23.2	0	107	59	135	7.25	20	
Trichloroethene	24.93	2	23.2	0	107	70	127	4.64	20	
Trichlorofluoromethane	27.72	1	23.2	0	119	57	129	4.27	20	
Vinyl chloride	28.38	1	23.2	0	122	50	134	6.14	20	
Surr: 1,2-Dichloroethane-d4	54.52	0	50	0	109	72	119	0	0	

Qualifiers:
ND - Not Detected at the Method Detection Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**0502068-05A MSD**	Batch ID:	**18332**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/15/2005 10:10:00 AM**	Prep Date:	**2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	52.16	0	50	0	104	76	119	0	0	
Surr: Dibromofluoromethane	53.08	0	50	0	106	85	115	0	0	
Surr: Toluene-d8	45.45	0	50	0	90.9	81	120	0	0	

Sample ID	**ICV-050214B**	Batch ID:	**R21020**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 10:40:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	44.2	1	46.4	0	95.3	80	120	0		
1,1,1-Trichloroethane	47.64	1	46.4	0	103	80	120	0		
1,1,2,2-Tetrachloroethane	45.07	1	46.4	0	97.1	80	120	0		
1,1,2-Trichloroethane	49.67	1	46.4	0	107	80	120	0		
1,1-Dichloroethane	47.87	1	46.4	0	103	80	120	0		
1,1-Dichloroethene	46.67	1	46.4	0	101	80	120	0		
1,1-Dichloropropene	46.77	1	46.4	0	101	80	120	0		
1,2,3-Trichlorobenzene	40.51	5	46.4	0	87.3	80	120	0		
1,2,3-Trichloropropane	45.84	1	46.4	0	98.8	80	120	0		
1,2,4-Trichlorobenzene	40.08	5	46.4	0	86.4	80	120	0		
1,2,4-Trimethylbenzene	44.06	5	46.4	0	95	80	120	0		
1,2-Dibromo-3-chloropropane	37.79	10	46.4	0	81.4	80	120	0		
1,2-Dibromoethane	47.78	1	46.4	0	103	80	120	0		
1,2-Dichlorobenzene	42.41	1	46.4	0	91.4	80	120	0		
1,2-Dichloroethane	48.6	1	46.4	0	105	80	120	0		
1,2-Dichloropropane	51.03	1	46.4	0	110	80	120	0		
1,3,5-Trimethylbenzene	46.55	5	46.4	0	100	80	120	0		
1,3-Dichlorobenzene	48.04	1	46.4	0	104	80	120	0		
1,3-Dichloropropane	42.37	1	46.4	0	91.3	80	120	0		
1,4-Dichlorobenzene	45.84	1	46.4	0	98.8	80	120	0		
2,2-Dichloropropane	47.33	1	46.4	0	102	80	120	0		
2-Butanone	47.73	15	46.4	0	103	80	120	0		
2-Chloroethylvinylether	41.91	15	46.4	0	90.3	80	120	0		
2-Chlorotoluene	42.62	1	46.4	0	91.9	80	120	0		
2-Hexanone	46.73	15	46.4	0	101	80	120	0		
4-Chlorotoluene	43.39	1	46.4	0	93.5	80	120	0		
4-Methyl-2-pentanone	43	15	46.4	0	92.7	80	120	0		
Acetone	46.52	15	46.4	0	100	80	120	0		
Benzene	51.55	1	46.4	0	111	80	120	0		
Bromobenzene	46.02	1	46.4	0	99.2	80	120	0		
Bromochloromethane	50.83	1	46.4	0	110	80	120	0		
Bromodichloromethane	48.47	1	46.4	0	104	80	120	0		
Bromoform	49.1	1	46.4	0	106	80	120	0		
Bromomethane	38.78	1	46.4	0	83.6	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050214B

Sample ID	**ICV-050214B**	Batch ID:	**R21020**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050214B**	Analysis Date:	**2/14/2005 10:40:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Carbon disulfide	45.89	15	46.4	0	98.9	80	120	0		
Carbon tetrachloride	47.08	1	46.4	0	101	80	120	0		
Chlorobenzene	42.57	1	46.4	0	91.7	80	120	0		
Chloroethane	42.02	1	46.4	0	90.6	80	120	0		
Chloroform	47.58	1	46.4	0	103	80	120	0		
Chloromethane	50.55	1	46.4	0	109	80	120	0		
cis-1,2-Dichloroethene	53.05	1	46.4	0	114	80	120	0		
cis-1,3-Dichloropropene	46.82	1	46.4	0	101	80	120	0		
Dibromochloromethane	46.11	1	46.4	0	99.4	80	120	0		
Dibromomethane	48.47	1	46.4	0	104	80	120	0		
Dichlorodifluoromethane	44.13	1	46.4	0	95.1	80	120	0		
Ethylbenzene	47.76	1	46.4	0	103	80	120	0		
Hexachlorobutadiene	47.88	3	46.4	0	103	80	120	0		
Iodomethane	57.01	15	46.4	0	123	80	120	0		S
Isopropylbenzene	43.43	1	46.4	0	93.6	80	120	0		
m,p-Xylene	101	2	92.8	0	109	80	120	0		
Methyl tert-butyl ether	47.23	1	46.4	0	102	80	120	0		
Methylene chloride	48.15	2.5	46.4	0	104	80	120	0		
n-Butylbenzene	42.21	1	46.4	0	91	80	120	0		
n-Propylbenzene	45.06	1	46.4	0	97.1	80	120	0		
Naphthalene	43.28	15	46.4	0	93.3	80	120	0		
o-Xylene	43.51	1	46.4	0	93.8	80	120	0		
p-Isopropyltoluene	42.9	1	46.4	0	92.5	80	120	0		
sec-Butylbenzene	43.78	1	46.4	0	94.4	80	120	0		
Styrene	45.07	1	46.4	0	97.1	80	120	0		
tert-Butylbenzene	42.83	1	46.4	0	92.3	80	120	0		
Tetrachloroethene	47.72	2	46.4	0	103	80	120	0		
Toluene	50.99	2	46.4	0	110	80	120	0		
trans-1,2-Dichloroethene	46.56	1	46.4	0	100	80	120	0		
trans-1,3-Dichloropropene	49.02	1	46.4	0	106	80	120	0		
Trichloroethene	50.56	2	46.4	0	109	80	120	0		
Trichlorofluoromethane	45.62	1	46.4	0	98.3	80	120	0		
Vinyl chloride	48.33	1	46.4	0	104	80	120	0		
Surr: 1,2-Dichloroethane-d4	51.97	0	50	0	104	72	119	0		
Surr: 4-Bromofluorobenzene	47.83	0	50	0	95.7	76	119	0		
Surr: Dibromofluoromethane	52.13	0	50	0	104	85	115	0		
Surr: Toluene-d8	47.87	0	50	0	95.7	81	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID	MB-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	MBLK	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID	MB-050214B	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	MBLK	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID	LCS-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCS	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002729	0.001	0.00273	0	100	79	117	0		
Ethane	0.005321	0.002	0.0055	0	96.7	83	120	0		
Ethylene	0.0075	0.003	0.00705	0	106	84	113	0		

Sample ID	LCS-050214B	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCS	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002423	0.001	0.00273	0	88.8	79	117	0		
Ethane	0.004991	0.002	0.0055	0	90.7	83	120	0		
Ethylene	0.007105	0.003	0.00705	0	101	84	113	0		

Sample ID	LCSD-050214A	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCSD	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002631	0.001	0.00273	0	96.4	79	117	3.67	20	
Ethane	0.005321	0.002	0.0055	0	96.7	83	120	0	20	
Ethylene	0.007331	0.003	0.00705	0	104	84	113	2.28	20	

Sample ID	LCSD-050214B	Batch ID:	DGAS_050214A	TestNo:	RSKERR	Units:	mg/L
SampType	LCSD	Run ID:	GC5_050214A	Analysis Date:	2/14/2005 11:38:00 AM	Prep Date:	2/14/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.002893	0.001	0.00273	0	106	79	117	17.7	20	

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ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID **LCSD-050214B** Batch ID: **DGAS_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **LCSD** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	0.005958	0.002	0.0055	0	108	83	120	17.7	20	
Ethylene	0.007866	0.003	0.00705	0	112	84	113	10.2	20	

Sample ID **0502061-05B DUP** Batch ID: **DGAS_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **DUP** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.162	0.02	0	0.1961	0	0	0	19.1	20	

Sample ID **0502061-05B DUP** Batch ID: **DGAS_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **DUP** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID **0502068-05D DUP** Batch ID: **DGAS_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **DUP** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	1.624	0.1	0	1.484	0	0	0	9.00	20	

Sample ID **0502068-05D DUP** Batch ID: **DGAS_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **DUP** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date: **2/14/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID **CCV1-050214** Batch ID: **GC5_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000233	0.001	0.000025	0	93.2	80	120	0		
Ethane	0.0000237	0.002	0.000025	0	94.8	80	120	0		
Ethylene	0.0000282	0.003	0.000025	0	113	80	120	0		

Sample ID **CCV2-050214** Batch ID: **GC5_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID **CCV2-050214** Batch ID: **GC5_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000251	0.001	0.000025	0	100	80	120	0		
Ethane	0.0000256	0.002	0.000025	0	102	80	120	0		
Ethylene	0.0000272	0.003	0.000025	0	109	80	120	0		

Sample ID **CCV3-050214** Batch ID: **GC5_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000246	0.001	0.000025	0	98.4	80	120	0		
Ethane	0.0000247	0.002	0.000025	0	98.8	80	120	0		
Ethylene	0.0000245	0.003	0.000025	0	98	80	120	0		

Sample ID **CCV4-050214** Batch ID: **GC5_050214B** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000241	0.001	0.000025	0	96.4	80	120	0		
Ethane	0.0000241	0.002	0.000025	0	96.4	80	120	0		
Ethylene	0.0000223	0.003	0.000025	0	89.2	80	120	0		

Sample ID **CCV5-050214** Batch ID: **GC5_050214B** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000207	0.001	0.000025	0	82.8	80	120	0		
Ethane	0.000021	0.002	0.000025	0	84	80	120	0		
Ethylene	0.000027	0.003	0.000025	0	108	80	120	0		

Sample ID **CCV6-050214** Batch ID: **GC5_050214B** TestNo: **RSKERR** Units: **mg/L**
SampType **CCV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000225	0.001	0.000025	0	90	80	120	0		
Ethane	0.0000232	0.002	0.000025	0	92.8	80	120	0		
Ethylene	0.0000269	0.003	0.000025	0	108	80	120	0		

Sample ID **ICV-050214** Batch ID: **GC5_050214A** TestNo: **RSKERR** Units: **mg/L**
SampType **ICV** Run ID: **GC5_050214A** Analysis Date: **2/14/2005 11:38:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000417	0.001	0.00005	0	83.4	80	120	0		

Qualifiers:
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050214A

Sample ID	**ICV-050214**	Batch ID:	**GC5_050214A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC5_050214A**	Analysis Date:	**2/14/2005 11:38:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	0.0000408	0.002	0.00005	0	81.6	80	120	0		
Ethylene	0.0000508	0.003	0.00005	0	102	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050211A

Sample ID	MB-050211	Batch ID:	R20974	TestNo:	E300	Units:	mg/L
SampType	MBLK	Run ID:	IC_050211A	Analysis Date:	2/11/2005 9:46:26 AM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	ND	0.5								
Sulfate	ND	3								

Sample ID	LCS-050211	Batch ID:	R20974	TestNo:	E300	Units:	mg/L
SampType	LCS	Run ID:	IC_050211A	Analysis Date:	2/11/2005 10:01:46 AM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.41	0.5	5	0	108	92	112	0		
Sulfate	31.36	3	30	0	105	90	110	0		

Sample ID	LCSD-050211	Batch ID:	R20974	TestNo:	E300	Units:	mg/L
SampType	LCSD	Run ID:	IC_050211A	Analysis Date:	2/11/2005 10:17:06 AM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.377	0.5	5	0	108	92	112	0.616	20	
Sulfate	31.47	3	30	0	105	90	110	0.356	20	

Sample ID	0502068-05G MS	Batch ID:	R20974	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050211A	Analysis Date:	2/11/2005 2:10:28 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.323	0.5	5	0	106	92	112	0		
Sulfate	36.5	3	30	5.104	105	90	110	0		

Sample ID	0502068-05G MSD	Batch ID:	R20974	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050211A	Analysis Date:	2/11/2005 2:25:48 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.326	0.5	5	0	107	92	112	0.0563	20	
Sulfate	36.37	3	30	5.104	104	90	110	0.350	20	

Sample ID	CCV1-050211	Batch ID:	R20974	TestNo:	E300	Units:	mg/L
SampType	CCV	Run ID:	IC_050211A	Analysis Date:	2/11/2005 12:35:14 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.319	0.5	5	0	106	90	110	0		
Sulfate	30.06	3	30	0	100	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050211A

Sample ID	**CCV2-050211**	Batch ID:	**R20974**	TestNo:	**E300**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**IC_050211A**	Analysis Date:	**2/11/2005 3:42:31 PM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.269	0.5	5	0	105	90	110	0		
Sulfate	30.69	3	30	0	102	90	110	0		

Sample ID	**ICV-050211**	Batch ID:	**R20974**	TestNo:	**E300**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**IC_050211A**	Analysis Date:	**2/11/2005 9:31:01 AM**	Prep Date:	**2/11/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	13.59	0.5	12.5	0	109	90	110	0		
Sulfate	80.03	3	75	0	107	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050211B

Sample ID	MB-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	ND	0.005								

Sample ID	LCS-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1009	0.005	0.1185	0	85.1	80	120	0		

Sample ID	LCSD-18320	Batch ID:	18320	TestNo:	E376.2	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:02:00 PM	Prep Date:	2/11/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1025	0.005	0.1185	0	86.5	80	120	1.56	20	

Sample ID	CCV1-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 12:26:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2042	0.005	0.237	0	86.2	80	120	0		

Sample ID	CCV2-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 2:11:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.192	0.005	0.237	0	81	80	120	0		

Sample ID	ICV-050211	Batch ID:	R20980	TestNo:	E376.2	Units:	mg/L
SampType	ICV	Run ID:	UV/VIS_2_050211B	Analysis Date:	2/11/2005 11:51:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1081	0.005	0.1185	0	91.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050215A

Sample ID	MB-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.1								

Sample ID	LCS-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0984	0.1	0.1	0	98.4	85	115	0		

Sample ID	LCSD-18336	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0894	0.1	0.1	0	89.4	85	115	0	15	

Sample ID	0502068-05CMS	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	7.671	2.5	2.5	5.602	82.8	85	115	0		S

Sample ID	0502068-05CMSD	Batch ID:	18336	TestNo:	M3500-Fe	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	2/15/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	7.746	2.5	2.5	5.602	85.8	85	115	0.976	15	

Sample ID	CCV1-050215	Batch ID:	R21003	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09954	0.1	0.1	0	99.5	85	115	0		

Sample ID	CCV2-050215	Batch ID:	R21003	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050215A	Analysis Date:	2/15/2005 9:34:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1114	0.1	0.1	0	111	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050215A

Sample ID	**CCV3-050215**	Batch ID:	**R21003**	TestNo:	**M3500-Fe**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**UV/VIS_2_050215A**	Analysis Date:	**2/15/2005 9:34:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09991	0.1	0.1	0	99.9	85	115	0		

Sample ID	**CCV4-050215**	Batch ID:	**R21003**	TestNo:	**M3500-Fe**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**UV/VIS_2_050215A**	Analysis Date:	**2/15/2005 9:34:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1009	0.1	0.1	0	101	85	115	0		

Sample ID	**ICV-050215**	Batch ID:	**R21003**	TestNo:	**M3500-Fe**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**UV/VIS_2_050215A**	Analysis Date:	**2/15/2005 9:34:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.2013	0.1	0.2	0	101	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: WC_050216A

Sample ID	**LCS-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**LCS**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	51.69	10	50	0	103	74	129	0		

Sample ID	**0502053-07G DUP**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	50.83	10	0	50.86	0	0	0	0.0462	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	50.83	10	0	50.86	0	0	0	0.0462	20	

Sample ID	**0502068-05G DUP**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	38.73	10	0	34.78	0	0	0	10.7	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	38.73	10	0	34.78	0	0	0	10.7	20	

Sample ID	**CCV1-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	5000	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	5000	10	5000	0	100	90	110	0		

Sample ID	**CCV2-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	5040	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	5040	10	5000	0	101	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: WC_050216A

Sample ID	**ICV-050216**	Batch ID:	**ALK_050216**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**WC_050216A**	Analysis Date:	**2/16/2005 1:20:00 PM**	Prep Date:	**2/16/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	4960	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	4960	10	5000	0	99.2	98	102	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

MQL SUMMARY REPORT

TestNo: TX1005	MDL	MQL
Analyte	**mg/L**	**mg/L**
T/R Hydrocarbons: C6-C12	0.7	2
T/R Hydrocarbons: >C12-C28	0.7	2
T/R Hydrocarbons: >C28-C35	0.7	2
T/R Hydrocarbons: C6-C35	0.7	2

TestNo: TX1006	MDL	MQL
Analyte	**mg/L**	**mg/L**
C6-C8 Aliphatics	1	2
>C8-C10 Aliphatics	1	2
>C10-C12 Aliphatics	1	2
>C12-C16 Aliphatics	1	2
>C16-C21 Aliphatics	1	2
>C21-C35 Aliphatics	1	2
C6-C35 Aliphatics	1	2
>C8-C10 Aromatics	1	2
>C10-C12 Aromatics	1	2
>C12-C16 Aromatics	1	2
>C16-C21 Aromatics	1	2
>C21-C35 Aromatics	1	2
>C8-C35 Aromatics	1	2

TestNo: E300	MDL	MQL
Analyte	**mg/L**	**mg/L**
Nitrate-N	0.1	0.5
Sulfate	1	3

TestNo: SW8260B	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,1,1,2-Tetrachloroethane	0.2	1
1,1,1-Trichloroethane	0.2	1
1,1,2,2-Tetrachloroethane	0.2	1
1,1,2-Trichloroethane	0.2	1
1,1-Dichloroethane	0.2	1
1,1-Dichloroethene	0.2	1
1,1-Dichloropropene	0.2	1
1,2,3-Trichlorobenzene	1.5	5
1,2,3-Trichloropropane	0.3	1
1,2,4-Trichlorobenzene	1.5	5
1,2,4-Trimethylbenzene	1.5	5
1,2-Dibromo-3-chloropropane	3	10
1,2-Dibromoethane	0.2	1
1,2-Dichlorobenzene	0.3	1
1,2-Dichloroethane	0.3	1
1,2-Dichloropropane	0.2	1
1,3,5-Trimethylbenzene	1.5	5
1,3-Dichlorobenzene	0.3	1
1,3-Dichloropropane	0.2	1
1,4-Dichlorobenzene	0.3	1
2,2-Dichloropropane	0.2	1
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	0.3	1
2-Hexanone	5	15
4-Chlorotoluene	0.3	1
4-Methyl-2-pentanone	5	15
Acetone	5	15
Benzene	0.2	1
Bromobenzene	0.2	1
Bromochloromethane	0.2	1
Bromodichloromethane	0.2	1
Bromoform	0.2	1
Bromomethane	0.3	1
Carbon disulfide	5	15
Carbon tetrachloride	0.2	1
Chlorobenzene	0.2	1
Chloroethane	0.3	1
Chloroform	0.3	1
Chloromethane	0.3	1
cis-1,2-Dichloroethene	0.2	1
cis-1,3-Dichloropropene	0.2	1
Dibromochloromethane	0.2	1
Dibromomethane	0.2	1
Dichlorodifluoromethane	0.2	1

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

CLIENT: Battelle
Work Order: 0502068
Project: Gulfport

MQL SUMMARY REPORT

Ethylbenzene	0.3	1
Hexachlorobutadiene	1	3
Iodomethane	5	15
Isopropylbenzene	0.2	1
m,p-Xylene	0.6	2
Methyl tert-butyl ether	0.3	1
Methylene chloride	2.5	2.5
n-Butylbenzene	0.3	1
n-Propylbenzene	0.3	1
Naphthalene	5	15
o-Xylene	0.3	1
p-Isopropyltoluene	0.3	1
sec-Butylbenzene	0.3	1
Styrene	0.2	1
tert-Butylbenzene	0.3	1
Tetrachloroethene	0.6	2
Toluene	0.6	2
trans-1,2-Dichloroethene	0.2	1
trans-1,3-Dichloropropene	0.2	1
Trichloroethene	0.6	2
Trichlorofluoromethane	0.2	1
Vinyl chloride	0.1	1

Test No: SW8270C	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,2,4-Trichlorobenzene	1	4
1,2-Dichlorobenzene	1	4
1,3-Dichlorobenzene	1	4
1,4-Dichlorobenzene	1	4
2,4,5-Trichlorophenol	1	4
2,4,6-Trichlorophenol	1	4
2,4-Dichlorophenol	1	4
2,4-Dimethylphenol	2	4
2,4-Dinitrophenol	1	20
2,4-Dinitrotoluene	1	4
2,6-Dinitrotoluene	1	4
2-Chloronaphthalene	1	4
2-Chlorophenol	1	4
2-Methylnaphthalene	1	4
2-Methylphenol	1	4
2-Nitroaniline	1	4
2-Nitrophenol	2	4
3,3´-Dichlorobenzidine	2	4
3-Nitroaniline	1	4
4,6-Dinitro-2-methylphenol	1	10
4-Bromophenyl phenyl ether	1	4
4-Chloro-3-methylphenol	1	4
4-Chloroaniline	1	10
4-Chlorophenyl phenyl ether	1	4
4-Methylphenol	1	4
4-Nitroaniline	2	4
4-Nitrophenol	2	20
Acenaphthene	1	4
Acenaphthylene	1	4
Aniline	1	4
Anthracene	1	4
Benzo[a]anthracene	1	4
Benzo[a]pyrene	1	4
Benzo[b]fluoranthene	1	4
Benzo[g,h,i]perylene	2	4
Benzo[k]fluoranthene	1	4
Benzoic acid	4	10
Benzyl alcohol	1	10
Bis(2-chloroethoxy)methane	1	4
Bis(2-chloroethyl)ether	1	4
Bis(2-chloroisopropyl)ether	1	4
Bis(2-ethylhexyl)phthalate	2	4
Butyl benzyl phthalate	4	10
Carbazole	1	4
Chrysene	1	4
Di-n-butyl phthalate	4	10

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	4	10
Dibenz[a,h]anthracene	1	4
Dibenzofuran	1	4
Diethyl phthalate	4	10
Dimethyl phthalate	4	10
Fluoranthene	1	4
Fluorene	1	4
Hexachlorobenzene	1	4
Hexachlorobutadiene	1	4
Hexachlorocyclopentadiene	2	10
Hexachloroethane	1	4
Indeno[1,2,3-cd]pyrene	1	4
Isophorone	1	4
N-Nitrosodi-n-propylamine	1	4
N-Nitrosodiphenylamine	1	4
Naphthalene	1	4
Nitrobenzene	2	4
Pentachlorophenol	2	4
Phenanthrene	1	4
Phenol	2	4
Pyrene	1	4
Pyridine	4	10

TestNo: RSKERR	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Methane	0.0003	0.001
Ethane	0.0006	0.002
Ethylene	0.001	0.003

TestNo: M8015D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
TPH-DRO C10-C28	0.6	1
TPH-ORO >C28-C35	0.6	1

TestNo: M3500-Fe	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Iron, Ferrous	0.05	0.1

TestNo: SW6020	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
Iron	50	100
Manganese	3	10

TestNo: M8015V	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Gasoline Range Organics	0.06	0.2

TestNo: E376.2	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Sulfide	0.005	0.005

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

APPENDIX B:

Analytical Results for August 2005

DHL ANALYTICAL

September 10, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0508208

Dear Lydia Cumming:

DHL Analytical received 2 samples on 8/24/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL

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September 10, 2005

Approved: _____
John DuPont

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DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 24672

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMINS
ADDITIONAL REPORT COPIES TO: LDC, INC

DATE: 8.23.05 PAGE ____ OF ____
PO #: 200549 DHL WORK ORDER #: 0508208
PROJECT LOCATION OR NAME: GULFPORT
CLIENT PROJECT #: G486352-03 COLLECTOR: LC / EB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☒, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐; TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐; GASOLINE MOD 8015 ☐; DIESEL - MOD 8015 ☒; VOC 8260 ☒; SVOC 8270 ☒; PAH 8270 ☐ HOLDPAH ☐; 8081 PESTICIDES ☐ 8151 HERBICIDES ☐; 8082 PCBS ☐; TCLP - METALS (RCRA) ☐ TCLP VOC ☐; TCLP - PEST ☐ HERB ☐ Semi VOC ☐; TOTAL METALS (RCRA) ☐ OTHER LIST ☒ MN, FE; LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐; RCI ☐ TOX ☐ FLASHPOINT ☐; TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐; pH ☐ HEXAVALENT CHROMIUM ☐; EXPLOSIVES ☐ PECHLORATE ☐; CHLORIDE ☐ ANIONS ☐ ALKALINITY ☒; SULFATE / NITRATE; SULFIDE; MEC; FERROUS IRON

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☒	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	VOC 8260 ☒	SVOC 8270 ☒	PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☒ MN, FE	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☒	SULFATE / NITRATE	SULFIDE	MEC	FERROUS IRON	FIELD NOTES
GPT-6-P24	01	8.23.05	1340	WATER		14	✓	✓		✓	✓				✓	✓	✓				✓							✓	✓	✓	✓	✓		LEVEL 3
GPT-6-9	02	8.23.05	1500	WATER		14	✓	✓		✓	✓				✓	✓	✓				✓							✓	✓	✓	✓	✓		LEVEL 3

SEND QA/QC DATA PACKAGE TO LDC, INC.

TOTAL

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	8.23.05 / 1700	FED EX
RELINQUISHED BY: (Signature) FED EX	DATE/TIME 8.24.5 0830	RECEIVED BY: (Signature) [signature]
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: 3.5 THERM #: 12
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # FED EX
☐ APC DELIVERY
☐ HAND DELIVERED

From: Origin ID: (614)424-3985
Mary Hackworth
Battelle
505 King Ave

Columbus, OH 43201

FedEx Express

CLS08130509/15

Ship Date: 23AUG05
Actual Wgt: 30 LB
System#: 5897573/INET2200
Account#: S *********

REF: 3171

Delivery Address Bar Code

SHIP TO: (512)388-8222 BILL SENDER

Michelle Green
DHL
2300 Double Creek Drive

Round Rock, TX 78664

PRIORITY OVERNIGHT

WED

Deliver By:
24AUG05

TRK# 7917 1011 3235

FORM
0201

AUS

A1

78664 -TX-US

XH BSMA

DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** | Date Received: **8/24/05**

Work Order Number **0508208** | Received by MLW

Checklist completed by Martin Wad (Signature) 8.24.5 (Date) | Reviewed by JD (Initials) 8/24/05 (Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon recipt?	Yes ☑	No ☐	NotApplicable ☐

Adjusted? No Checked by MW

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action Taken: _____

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
Michelle Green – QA Manager
John DuPont – General Manager

Signature

9/12/05
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Gulfport	Date: 9/10/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0508208
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				R1-01
		2) Were all departures from standard conditions described in an exception report?			✓		
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	✓				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		3) Were calculations checked by a peer or supervisor?	✓				
		4) Were all analyte identifications checked by a peer or supervisor?	✓				
		5) Were sample quantitation limits reported for all analytes not detected?	✓				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		8) If required for the project, TICs reported?			✓		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	✓				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	✓				
R5	OI	**TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	✓				
		2) Were blanks analyzed at the appropriate frequency?	✓				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		4) Were blank concentrations < MQL?	✓				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS)**					
		1) Were all COCs included in the LCS?	✓				
		2) Was each LCS taken through the entire analytical procedure, (prep and cleanup steps)?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs & RPD recovery within the laboratory QC limits?	✓				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	✓				
		2) Were MS/MSD analyzed at the appropriate frequency?	✓				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✓			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?	✓				
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	✓				
		2) Were analytical duplicates analyzed at the appropriate frequency?	✓				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS)**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	✓				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		3) Are unadjusted MQLs included in the laboratory data package?	✓				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				R10-01
		2) Were all necessary corrective actions performed for the reported data?	✓				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Gulfport	Date: 9/10/05
Reviewer Name: Carlos Castro	Laboratory Work Order: 0508208

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		2) Were percent RSDs or correlation coefficient criteria met?	✓				
		3) Was the number of standards recommended in the method used for all analytes?	✓				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		5) Are ICAL data available for all instruments used?	✓				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	✓				
		2) Were percent differences for each analyte within the method-required QC limits?	✓				
		3) Was the ICAL curve verified for each analyte?	✓				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✓				
S3	O	**MASS SPECTRAL TUNING**					
		1) Was the appropriate compound for the method used for tuning?	✓				
		2) Were ion abundance data within the method-required QC limits?	✓				
S4	O	**INTERNAL STANDARDS (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, & SECTION 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		2) Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**DUAL COLUMN CONFIRMATION**					
		1) Did dual column confirmation results meet the method-required QC?	✓				
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS**					
		1) Were percent recoveries within method QC limits?	✓				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF *STANDARD ADDITIONS***					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		✓			SR-01
S10	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	✓				
S11	OI	**PROFICIENCY TEST REPORTS**					
		1) Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**STANDARDS DOCUMENTATION**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		1) Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	✓				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS (NELAC)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS)**					
		1) Are the laboratory SOPs current and on file for each method performed?	✓				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses, I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable. 4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508208

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Method SW8260B - Volatile Organics
Method SW8270C - Semivolatile Organics
Method SW6020 - Metals Analysis
Method M8015D - DRO/ORO Analysis
Method RSKERR - Dissolved Gas Analysis
Method M3500-Fe - Ferrous Iron Analysis
Method E300 - Anions Analysis
Method E310.1 - Alkalinity Analysis
Method E376.2 - Sulfide Analysis

Exception Report R1-01

Samples were received and log-in performed on 8/24/05. A total of 2 samples were received. The samples arrived in good condition and were properly packaged.

Exception Report R7-03

For Metals analysis performed on 8/29/05 the matrix spike and matrix spike duplicate recoveries were out of control limits for Iron and Manganese. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for these analytes. No further corrective actions were required and no sample results were adversely affected.

For Anions analysis performed on 8/25/05 the matrix spike duplicate recovery (0508225-09E MSD) was slightly above control limits for Nitrate. This is flagged accordingly. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits. No further corrective actions were required and no sample results were adveresely affected.

Exception Report R10-01

For Ferrous Iron analysis the samples are collected in unpreserved VOA vials with no headspace, therefore the sample hold time is 7 days from collection.

For Volatile organic analysis tuning criteria is the CLP limits as per note Table 4 of method SW8260.

Exception Report S9-01

For Metals analysis performed on 8/29/05 the PDS recovery was out of control limits for Iron and Manganese. The serial dilution was within control limits therefore no further corrective actions were required and no sample results were adversely affected.

DATA REPORTING

Sample reports include the Sample Quantitation Limit (SQL) and the Reporting Limit (RL) for each analyte. The computer system allows for reporting SQL with 2 significant figures and the RL with 3 significant figures. Because of rounding it may sometimes appear that a "J" flagged result is lower than the SQL if the sample result is very near the SQL.

DHL Analytical

Date: *12-Sep-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508208

Work Order Sample Summary

Lab Sam ID	Client Sample ID	Tag Number	Collection Date	Date Recved
0508208-01	GPT-6-PZ4		8/23/2005 1:40:00 PM	8/24/2005
0508208-02	GPT-6-9		8/23/2005 3:00:00 PM	8/24/2005

Lab Order: 0508208
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch I
0508208-01A	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/30/2005 4:15:17 PM	20107
0508208-01B	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 A	20103
0508208-01C	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/25/2005 9:07:51 AM	20060
0508208-01D	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	8/29/2005 10:55:14 A	20090
0508208-01E	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	E310.1	Alkalinity	8/29/2005 9:25:00 AM	R23313
0508208-01F	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 P	20083
0508208-01G	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	8/30/2005	DGAS_050830A
0508208-01H	GPT-6-PZ4	8/23/2005 1:40:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 A	20068
0508208-02A	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/30/2005 4:15:17 PM	20107
0508208-02B	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 A	20103
0508208-02C	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/25/2005 9:07:51 AM	20060
0508208-02D	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filt	8/29/2005 10:55:14 A	20090
0508208-02E	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	E310.1	Alkalinity	8/29/2005 9:28:00 AM	R23313
0508208-02F	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 P	20083
0508208-02G	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethen	8/30/2005	DGAS_050830A
0508208-02H	GPT-6-9	8/23/2005 3:00:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 A	20068

Lab Order: 0508208
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508208-01A	GPT-6-PZ4	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20107	1	8/30/2005 8:22:33 PM	GC15_050830A
0508208-01B	GPT-6-PZ4	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 3:58:00 AM	GCMS5_050830A
0508208-01C	GPT-6-PZ4	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20060	1	9/7/2005 1:48:00 AM	GCMS3_050907A
0508208-01D	GPT-6-PZ4	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 4:12:00 PM	ICP-MS_050829A
0508208-01E	GPT-6-PZ4	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 11:06:12 AM	IC_050825A
	GPT-6-PZ4	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 9:25:00 AM	TITRATOR_050829
0508208-01F	GPT-6-PZ4	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:08:00 PM	UV/VIS_2_050826A
0508208-01G	GPT-6-PZ4	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508208-01H	GPT-6-PZ4	Aqueous	M3500-FE	Ferrous Iron	20068	1	8/25/2005 10:19:00 AM	UV/VIS_2_050825A
0508208-02A	GPT-6-9	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20107	1	8/30/2005 8:47:29 PM	GC15_050830A
0508208-02B	GPT-6-9	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 3:34:00 AM	GCMS5_050830A
0508208-02C	GPT-6-9	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20060	1	9/7/2005 2:25:00 AM	GCMS3_050907A
0508208-02D	GPT-6-9	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 4:16:00 PM	ICP-MS_050829A
0508208-02E	GPT-6-9	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 11:20:12 AM	IC_050825A
	GPT-6-9	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 9:28:00 AM	TITRATOR_050829
0508208-02F	GPT-6-9	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:09:00 PM	UV/VIS_2_050826A
0508208-02G	GPT-6-9	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ether	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508208-02H	GPT-6-9	Aqueous	M3500-FE	Ferrous Iron	20068	5	8/25/2005 10:40:00 AM	UV/VIS_2_050825A

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 11:06:12 AM
Sulfate	4.22	1.0	3.00		mg/L	1	8/25/2005 11:06:12 AM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	126	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
Alkalinity, Total (As CaCO3)	126	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 3:58:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 3:58:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 3:58:00 AM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	8/31/2005 3:58:00 AM
Surr: 4-Bromofluorobenzene	94.4	0	76-119		%REC	1	8/31/2005 3:58:00 AM

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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 3:58:00 AM
Surr: Toluene-d8	95.1	0	81-120		%REC	1	8/31/2005 3:58:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 1:48:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM

Qualifiers:

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Surr: 2,4,6-Tribromophenol	106	0	53-155		%REC	1	9/7/2005 1:48:00 AM
Surr: 2-Fluorobiphenyl	100	0	55-130		%REC	1	9/7/2005 1:48:00 AM
Surr: 2-Fluorophenol	63.3	0	25-120		%REC	1	9/7/2005 1:48:00 AM
Surr: 4-Terphenyl-d14	117	0	51-135		%REC	1	9/7/2005 1:48:00 AM
Surr: Nitrobenzene-d5	101	0	55-124		%REC	1	9/7/2005 1:48:00 AM
Surr: Phenol-d6	42.8	0	20-120		%REC	1	9/7/2005 1:48:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	ND	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 8:22:33 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 8:22:33 PM
Surr: o-Terphenyl	91.8	0	64-132		%REC	1	8/30/2005 8:22:33 PM
Surr: Octacosane	118	0	26-152		%REC	1	8/30/2005 8:22:33 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	8/25/2005 10:19:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	ND	50	100		µg/L	1	8/29/2005 4:12:00 PM
Manganese	5.1	3.0	10.0	J	µg/L	1	8/29/2005 4:12:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:08:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 11:20:12 AM
Sulfate	9.15	1.0	3.00		mg/L	1	8/25/2005 11:20:12 AM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1-Dichloroethene	0.30	0.20	1.00	J	µg/L	1	8/31/2005 3:34:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM

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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 3:34:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 3:34:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 3:34:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/31/2005 3:34:00 AM
Surr: 4-Bromofluorobenzene	95.4	0	76-119		%REC	1	8/31/2005 3:34:00 AM

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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 3:34:00 AM
Surr: Toluene-d8	95.2	0	81-120		%REC	1	8/31/2005 3:34:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 2:25:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM

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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Surr: 2,4,6-Tribromophenol	105	0	53-155		%REC	1	9/7/2005 2:25:00 AM
Surr: 2-Fluorobiphenyl	100	0	55-130		%REC	1	9/7/2005 2:25:00 AM
Surr: 2-Fluorophenol	62.0	0	25-120		%REC	1	9/7/2005 2:25:00 AM
Surr: 4-Terphenyl-d14	113	0	51-135		%REC	1	9/7/2005 2:25:00 AM
Surr: Nitrobenzene-d5	104	0	55-124		%REC	1	9/7/2005 2:25:00 AM
Surr: Phenol-d6	41.5	0	20-120		%REC	1	9/7/2005 2:25:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.00517	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 8:47:29 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 8:47:29 PM
Surr: o-Terphenyl	99.0	0	64-132		%REC	1	8/30/2005 8:47:29 PM
Surr: Octacosane	128	0	26-152		%REC	1	8/30/2005 8:47:29 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	2.27	0.25	0.500		mg/L	5	8/25/2005 10:40:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	2460	50	100		µg/L	1	8/29/2005 4:16:00 PM
Manganese	29.1	3.0	10.0		µg/L	1	8/29/2005 4:16:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0169	0.0050	0.00500		mg/L	1	8/26/2005 1:09:00 PM

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S - Spike Recovery outside control limits
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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050830A

Sample ID **CCV1-050830** Batch ID: **R23336** TestNo: **M8015D** Units: **mg/L**
SampType **CCV** Run ID: **GC15_050830A** Analysis Date: **8/30/2005 4:25:50 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	538.7	1	500	0	108	85	115	0		
TPH-ORO >C28-C35	ND	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.24	0	20	0	116	64	132	0		
Surr: Octacosane	25.26	0	20	0	126	26	152	0		

Sample ID **CCV2-050830** Batch ID: **R23336** TestNo: **M8015D** Units: **mg/L**
SampType **CCV** Run ID: **GC15_050830A** Analysis Date: **8/30/2005 9:12:22 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	568.5	1	500	0	114	85	115	0		
TPH-ORO >C28-C35	1.474	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.76	0	20	0	119	64	132	0		
Surr: Octacosane	26.04	0	20	0	130	26	152	0		

Sample ID **ICV-050830** Batch ID: **R23336** TestNo: **M8015D** Units: **mg/L**
SampType **ICV** Run ID: **GC15_050830A** Analysis Date: **8/30/2005 2:02:02 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	896.2	1	1000	0	89.6	85	115	0		
TPH-ORO >C28-C35	0.8746	1	0	0	0	0	0	0		
Surr: o-Terphenyl	17.04	0	25	0	68.2	64	132	0		
Surr: Octacosane	14.9	0	25	0	59.6	26	152	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050830B

Sample ID	MB-20107	Batch ID:	20107	TestNo:	M8015D	Units:	mg/L
SampType	MBLK	Run ID:	GC15_050830B	Analysis Date:	8/30/2005 7:57:37 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	1								
TPH-ORO >C28-C35	ND	1								
Surr: o-Terphenyl	1.499	0	1.5	0	100	64	132	0		
Surr: Octacosane	1.901	0	1.5	0	127	26	152	0		

Sample ID	LCS-20107	Batch ID:	20107	TestNo:	M8015D	Units:	mg/L
SampType	LCS	Run ID:	GC15_050830B	Analysis Date:	8/30/2005 8:22:33 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	26.04	1	25	0	104	50	114	0		
Surr: o-Terphenyl	1.654	0	1.5	0	110	64	132	0		
Surr: Octacosane	1.894	0	1.5	0	126	26	152	0		

Sample ID	LCSD-20107	Batch ID:	20107	TestNo:	M8015D	Units:	mg/L
SampType	LCSD	Run ID:	GC15_050830B	Analysis Date:	8/30/2005 8:47:29 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	24.08	1	25	0	96.3	50	114	7.83	30	
Surr: o-Terphenyl	1.55	0	1.5	0	103	64	132	0	0	
Surr: Octacosane	1.762	0	1.5	0	117	26	152	0	0	

Sample ID	CCV1-050830	Batch ID:	R23338	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050830B	Analysis Date:	8/30/2005 4:25:50 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	541.4	1	500	0	108	85	115	0		
TPH-ORO >C28-C35	0.8142	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.37	0	20	0	117	64	132	0		
Surr: Octacosane	25.11	0	20	0	126	26	152	0		

Sample ID	CCV2-050830	Batch ID:	R23338	TestNo:	M8015D	Units:	mg/L
SampType	CCV	Run ID:	GC15_050830B	Analysis Date:	8/30/2005 9:12:22 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	574.4	1	500	0	115	85	115	0		
TPH-ORO >C28-C35	1.329	1	0	0	0	0	0	0		
Surr: o-Terphenyl	24.97	0	20	0	125	64	132	0		
Surr: Octacosane	27.08	0	20	0	135	26	152	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050830B

Sample ID **ICV-050830**	Batch ID: **R23338**	TestNo: **M8015D**	Units: **mg/L**
SampType **ICV**	Run ID: **GC15_050830B**	Analysis Date: **8/30/2005 2:02:02 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	887	1	1000	0	88.7	85	115	0		
TPH-ORO >C28-C35	2.003	1	0	0	0	0	0	0		
Surr: o-Terphenyl	17.32	0	25	0	69.3	64	132	0		
Surr: Octacosane	14.51	0	25	0	58.1	26	152	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050829A

Sample ID	MB-20090	Batch ID:	20090	TestNo:	SW6020	Units:	µg/L
SampType	MBLK	Run ID:	ICP-MS_050829A	Analysis Date:	8/29/2005 3:59:00 PM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	100								
Manganese	ND	10								

Sample ID	LCS-20090	Batch ID:	20090	TestNo:	SW6020	Units:	µg/L
SampType	LCS	Run ID:	ICP-MS_050829A	Analysis Date:	8/29/2005 4:20:00 PM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	4741	100	5000	0	94.8	80	120	0		
Manganese	184.2	10	200	0	92.1	80	120	0		

Sample ID	LCSD-20090	Batch ID:	20090	TestNo:	SW6020	Units:	µg/L
SampType	LCSD	Run ID:	ICP-MS_050829A	Analysis Date:	8/29/2005 4:24:00 PM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	4583	100	5000	0	91.7	80	120	3.39	15	
Manganese	178.3	10	200	0	89.2	80	120	3.26	15	

Sample ID	0508228-08A MS	Batch ID:	20090	TestNo:	SW6020	Units:	µg/L
SampType	MS	Run ID:	ICP-MS_050829A	Analysis Date:	8/29/2005 4:28:00 PM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	46170	100	5000	43590	51.6	80	120	0		S
Manganese	13010	10	200	13260	-125	80	120	0		S

Sample ID	0508228-08A MSD	Batch ID:	20090	TestNo:	SW6020	Units:	µg/L
SampType	MSD	Run ID:	ICP-MS_050829A	Analysis Date:	8/29/2005 4:32:00 PM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	47260	100	5000	43590	73.4	80	120	2.33	15	S
Manganese	13110	10	200	13260	-75	80	120	0.766	15	S

Sample ID	CCV1-050829	Batch ID:	R23326	TestNo:	SW6020	Units:	µg/L
SampType	CCV	Run ID:	ICP-MS_050829A	Analysis Date:	8/29/2005 4:49:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	4714	100	5000	0	94.3	90	110	0		
Manganese	184.8	10	200	0	92.4	90	110	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS_050829A

Sample ID	**ICV1-050829**	Batch ID:	**R23326**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**ICP-MS_050829A**	Analysis Date:	**8/29/2005 3:37:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	2538	100	2500	0	102	90	110	0		
Manganese	96.44	10	100	0	96.4	90	110	0		

Sample ID	**0508228-08A PDS**	Batch ID:	**20090**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**PDS**	Run ID:	**ICP-MS_050829A**	Analysis Date:	**8/29/2005 4:37:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	44860	100	5000	43590	25.4	75	125	0		S
Manganese	12580	10	200	13260	-340	75	125	0		S

Sample ID	**0508228-08A SD**	Batch ID:	**20090**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**SD**	Run ID:	**ICP-MS_050829A**	Analysis Date:	**8/29/2005 4:07:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron	46020	500	0	43590	0	0	0	5.42	10	
Manganese	13540	50	0	13260	0	0	0	2.13	10	

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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	**MB-20060**	Batch ID:	**20060**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS3_050907A**	Analysis Date:	**9/7/2005 1:10:00 AM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4								
1,2-Dichlorobenzene	ND	4								
1,3-Dichlorobenzene	ND	4								
1,4-Dichlorobenzene	ND	4								
2,4,5-Trichlorophenol	ND	4								
2,4,6-Trichlorophenol	ND	4								
2,4-Dichlorophenol	ND	4								
2,4-Dimethylphenol	ND	4								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	4								
2,6-Dinitrotoluene	ND	4								
2-Chloronaphthalene	ND	4								
2-Chlorophenol	ND	4								
2-Methylnaphthalene	ND	4								
2-Methylphenol	ND	4								
2-Nitroaniline	ND	4								
2-Nitrophenol	ND	4								
3,3´-Dichlorobenzidine	ND	4								
3-Nitroaniline	ND	4								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl phenyl ether	ND	4								
4-Chloro-3-methylphenol	ND	4								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	4								
4-Methylphenol	ND	4								
4-Nitroaniline	ND	4								
4-Nitrophenol	ND	20								
Acenaphthene	ND	4								
Acenaphthylene	ND	4								
Aniline	ND	4								
Anthracene	ND	4								
Benzo[a]anthracene	ND	4								
Benzo[a]pyrene	ND	4								
Benzo[b]fluoranthene	ND	4								
Benzo[g,h,i]perylene	ND	4								
Benzo[k]fluoranthene	ND	4								
Benzoic acid	ND	10								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	4								
Bis(2-chloroethyl)ether	ND	4								
Bis(2-chloroisopropyl)ether	ND	4								
Bis(2-ethylhexyl)phthalate	ND	4								

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CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID **MB-20060**	Batch ID: **20060**	TestNo: **SW8270C**	Units: **µg/L**
SampType **MBLK**	Run ID: **GCMS3_050907A**	Analysis Date: **9/7/2005 1:10:00 AM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	10								
Carbazole	ND	4								
Chrysene	ND	4								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz[a,h]anthracene	ND	4								
Dibenzofuran	ND	4								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	4								
Fluorene	ND	4								
Hexachlorobenzene	ND	4								
Hexachlorobutadiene	ND	4								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	4								
Indeno[1,2,3-cd]pyrene	ND	4								
Isophorone	ND	4								
N-Nitrosodi-n-propylamine	ND	4								
N-Nitrosodiphenylamine	ND	4								
Naphthalene	ND	4								
Nitrobenzene	ND	4								
Pentachlorophenol	ND	4								
Phenanthrene	ND	4								
Phenol	ND	4								
Pyrene	ND	4								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	80.6	0	80	0	101	53	155	0		
Surr: 2-Fluorobiphenyl	75	0	80	0	93.8	55	130	0		
Surr: 2-Fluorophenol	50.2	0	80	0	62.8	25	120	0		
Surr: 4-Terphenyl-d14	93.2	0	80	0	116	51	135	0		
Surr: Nitrobenzene-d5	78.2	0	80	0	97.8	55	124	0		
Surr: Phenol-d6	33.4	0	80	0	41.8	20	120	0		

Sample ID **LCS-20060**	Batch ID: **20060**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050907A**	Analysis Date: **9/6/2005 11:17:00 PM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	29.4	4	40	0	73.5	37	120	0		
1,2-Dichlorobenzene	28.6	4	40	0	71.5	33	120	0		
1,3-Dichlorobenzene	28.2	4	40	0	70.5	32	120	0		
1,4-Dichlorobenzene	28.6	4	40	0	71.5	32	120	0		
2,4,5-Trichlorophenol	37.8	4	40	0	94.5	49	120	0		

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CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	**LCS-20060**	Batch ID:	**20060**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**LCS**	Run ID:	**GCMS3_050907A**	Analysis Date:	**9/6/2005 11:17:00 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	37.8	4	40	0	94.5	49	126	0		
2,4-Dichlorophenol	37.8	4	40	0	94.5	48	120	0		
2,4-Dimethylphenol	30.2	4	40	0	75.5	28	120	0		
2,4-Dinitrophenol	43.2	20	40	0	108	25	130	0		
2,4-Dinitrotoluene	36.2	4	40	0	90.5	51	120	0		
2,6-Dinitrotoluene	37.8	4	40	0	94.5	49	120	0		
2-Chloronaphthalene	34	4	40	0	85	49	120	0		
2-Chlorophenol	32.6	4	40	0	81.5	37	120	0		
2-Methylnaphthalene	35	4	40	0	87.5	45	105	0		
2-Methylphenol	33.8	4	40	0	84.5	38	120	0		
2-Nitroaniline	40.4	4	40	0	101	48	120	0		
2-Nitrophenol	38.2	4	40	0	95.5	39	123	0		
3,3´-Dichlorobenzidine	35.8	4	40	0	89.5	20	120	0		
3-Nitroaniline	35	4	40	0	87.5	20	126	0		
4,6-Dinitro-2-methylphenol	43	10	40	0	108	40	130	0		
4-Bromophenyl phenyl ether	34.4	4	40	0	86	52	120	0		
4-Chloro-3-methylphenol	38.6	4	40	0	96.5	47	120	0		
4-Chloroaniline	36.6	10	40	0	91.5	20	120	0		
4-Chlorophenyl phenyl ether	33.8	4	40	0	84.5	50	120	0		
4-Methylphenol	33.8	4	40	0	84.5	32	120	0		
4-Nitroaniline	35	4	40	0	87.5	36	120	0		
4-Nitrophenol	17.8	20	40	0	44.5	20	120	0		
Acenaphthene	34	4	40	0	85	45	110	0		
Acenaphthylene	34.4	4	40	0	86	60	150	0		
Aniline	32	4	40	0	80	10	140	0		
Anthracene	34.8	4	40	0	87	55	110	0		
Benzo[a]anthracene	35.6	4	40	0	89	55	110	0		
Benzo[a]pyrene	31.6	4	40	0	79	55	110	0		
Benzo[b]fluoranthene	30.8	4	40	0	77	45	120	0		
Benzo[g,h,i]perylene	30.6	4	40	0	76.5	38	123	0		
Benzo[k]fluoranthene	34	4	40	0	85	45	125	0		
Benzoic acid	13	10	40	0	32.5	20	120	0		
Benzyl alcohol	33.8	10	40	0	84.5	30	120	0		
Bis(2-chloroethoxy)methane	36.4	4	40	0	91	46	120	0		
Bis(2-chloroethyl)ether	32.8	4	40	0	82	37	120	0		
Bis(2-chloroisopropyl)ether	34.8	4	40	0	87	26	131	0		
Bis(2-ethylhexyl)phthalate	39.4	4	40	0	98.5	42	126	0		
Butyl benzyl phthalate	40	10	40	0	100	46	120	0		
Carbazole	37.4	4	40	0	93.5	26	125	0		
Chrysene	35.8	4	40	0	89.5	55	110	0		
Di-n-butyl phthalate	42.8	10	40	0	107	54	120	0		
Di-n-octyl phthalate	36.6	10	40	0	91.5	37	137	0		

Qualifiers:
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID **LCS-20060**	Batch ID: **20060**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS3_050907A**	Analysis Date: **9/6/2005 11:17:00 PM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	31.2	4	40	0	78	42	127	0		
Dibenzofuran	34.4	4	40	0	86	54	120	0		
Diethyl phthalate	34.8	10	40	0	87	41	120	0		
Dimethyl phthalate	35	10	40	0	87.5	25	127	0		
Fluoranthene	38.4	4	40	0	96	55	115	0		
Fluorene	33.6	4	40	0	84	50	110	0		
Hexachlorobenzene	34.2	4	40	0	85.5	52	120	0		
Hexachlorobutadiene	29.4	4	40	0	73.5	27	120	0		
Hexachlorocyclopentadiene	22.2	10	40	0	55.5	27	125	0		
Hexachloroethane	27.4	4	40	0	68.5	28	120	0		
Indeno[1,2,3-cd]pyrene	31	4	40	0	77.5	45	125	0		
Isophorone	39.2	4	40	0	98	50	120	0		
N-Nitrosodi-n-propylamine	41.4	4	40	0	104	34	128	0		
N-Nitrosodiphenylamine	34.4	4	40	0	86	48	120	0		
Naphthalene	31.6	4	40	0	79	40	100	0		
Nitrobenzene	32.6	4	40	0	81.5	44	120	0		
Pentachlorophenol	39.8	4	40	0	99.5	38	120	0		
Phenanthrene	35.4	4	40	0	88.5	50	115	0		
Phenol	17.8	4	40	0	44.5	20	120	0		
Pyrene	37.2	4	40	0	93	50	130	0		
Pyridine	24.6	10	40	0	61.5	20	110	0		
Surr: 2,4,6-Tribromophenol	82.4	0	80	0	103	53	155	0		
Surr: 2-Fluorobiphenyl	75.2	0	80	0	94	55	130	0		
Surr: 2-Fluorophenol	47	0	80	0	58.8	25	120	0		
Surr: 4-Terphenyl-d14	88.8	0	80	0	111	51	135	0		
Surr: Nitrobenzene-d5	74.8	0	80	0	93.5	55	124	0		
Surr: Phenol-d6	37	0	80	0	46.2	20	120	0		

Sample ID **LCSD-20060**	Batch ID: **20060**	TestNo: **SW8270C**	Units: **µg/L**
SampType **LCSD**	Run ID: **GCMS3_050907A**	Analysis Date: **9/6/2005 11:54:00 PM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	26.4	4	40	0	66	37	120	10.8	20	
1,2-Dichlorobenzene	24.8	4	40	0	62	33	120	14.2	20	
1,3-Dichlorobenzene	25	4	40	0	62.5	32	120	12.0	20	
1,4-Dichlorobenzene	25.4	4	40	0	63.5	32	120	11.9	20	
2,4,5-Trichlorophenol	34.6	4	40	0	86.5	49	120	8.84	20	
2,4,6-Trichlorophenol	34.2	4	40	0	85.5	49	126	10.0	20	
2,4-Dichlorophenol	35.6	4	40	0	89	48	120	5.99	20	
2,4-Dimethylphenol	25.4	4	40	0	63.5	28	120	17.3	20	
2,4-Dinitrophenol	41.6	20	40	0	104	25	130	3.77	20	
2,4-Dinitrotoluene	33.4	4	40	0	83.5	51	120	8.05	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	**LCSD-20060**	Batch ID:	**20060**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**LCSD**	Run ID:	**GCMS3_050907A**	Analysis Date:	**9/6/2005 11:54:00 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	34.8	4	40	0	87	49	120	8.26	20	
2-Chloronaphthalene	30.6	4	40	0	76.5	49	120	10.5	20	
2-Chlorophenol	27.8	4	40	0	69.5	37	120	15.9	20	
2-Methylnaphthalene	32.4	4	40	0	81	45	105	7.72	20	
2-Methylphenol	29.8	4	40	0	74.5	38	120	12.6	20	
2-Nitroaniline	37	4	40	0	92.5	48	120	8.79	20	
2-Nitrophenol	35.6	4	40	0	89	39	123	7.05	20	
3,3´-Dichlorobenzidine	34	4	40	0	85	20	120	5.16	20	
3-Nitroaniline	31.4	4	40	0	78.5	20	126	10.8	20	
4,6-Dinitro-2-methylphenol	41.2	10	40	0	103	40	130	4.28	20	
4-Bromophenyl phenyl ether	32	4	40	0	80	52	120	7.23	20	
4-Chloro-3-methylphenol	37.6	4	40	0	94	47	120	2.62	20	
4-Chloroaniline	34.2	10	40	0	85.5	20	120	6.78	20	
4-Chlorophenyl phenyl ether	31	4	40	0	77.5	50	120	8.64	20	
4-Methylphenol	29	4	40	0	72.5	32	120	15.3	20	
4-Nitroaniline	31	4	40	0	77.5	36	120	12.1	20	
4-Nitrophenol	17	20	40	0	42.5	20	120	0	20	
Acenaphthene	31	4	40	0	77.5	45	110	9.23	20	
Acenaphthylene	31	4	40	0	77.5	60	150	10.4	20	
Aniline	27	4	40	0	67.5	10	140	16.9	20	
Anthracene	31.8	4	40	0	79.5	55	110	9.01	20	
Benzo[a]anthracene	33.4	4	40	0	83.5	55	110	6.38	20	
Benzo[a]pyrene	29	4	40	0	72.5	55	110	8.58	20	
Benzo[b]fluoranthene	31.2	4	40	0	78	45	120	1.29	20	
Benzo[g,h,i]perylene	28	4	40	0	70	38	123	8.87	20	
Benzo[k]fluoranthene	29.2	4	40	0	73	45	125	15.2	20	
Benzoic acid	11.6	10	40	0	29	20	120	11.4	20	
Benzyl alcohol	29.8	10	40	0	74.5	30	120	12.6	20	
Bis(2-chloroethoxy)methane	33.4	4	40	0	83.5	46	120	8.60	20	
Bis(2-chloroethyl)ether	28.6	4	40	0	71.5	37	120	13.7	20	
Bis(2-chloroisopropyl)ether	29.6	4	40	0	74	26	131	16.1	20	
Bis(2-ethylhexyl)phthalate	36.8	4	40	0	92	42	126	6.82	20	
Butyl benzyl phthalate	37.2	10	40	0	93	46	120	7.25	20	
Carbazole	34.6	4	40	0	86.5	26	125	7.78	20	
Chrysene	33.4	4	40	0	83.5	55	110	6.94	20	
Di-n-butyl phthalate	38.8	10	40	0	97	54	120	9.80	20	
Di-n-octyl phthalate	34	10	40	0	85	37	137	7.37	20	
Dibenz[a,h]anthracene	28.4	4	40	0	71	42	127	9.40	20	
Dibenzofuran	31.8	4	40	0	79.5	54	120	7.85	20	
Diethyl phthalate	31	10	40	0	77.5	41	120	11.6	20	
Dimethyl phthalate	32.2	10	40	0	80.5	25	127	8.33	20	
Fluoranthene	35.8	4	40	0	89.5	55	115	7.01	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID **LCSD-20060** Batch ID: **20060** TestNo: **SW8270C** Units: **µg/L**
SampType **LCSD** Run ID: **GCMS3_050907A** Analysis Date: **9/6/2005 11:54:00 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Fluorene	31	4	40	0	77.5	50	110	8.05	20	
Hexachlorobenzene	31.8	4	40	0	79.5	52	120	7.27	20	
Hexachlorobutadiene	26.4	4	40	0	66	27	120	10.8	20	
Hexachlorocyclopentadiene	19	10	40	0	47.5	27	125	15.5	20	
Hexachloroethane	23.4	4	40	0	58.5	28	120	15.7	20	
Indeno[1,2,3-cd]pyrene	28.2	4	40	0	70.5	45	125	9.46	20	
Isophorone	36.8	4	40	0	92	50	120	6.32	20	
N-Nitrosodi-n-propylamine	34.4	4	40	0	86	34	128	18.5	20	
N-Nitrosodiphenylamine	32.6	4	40	0	81.5	48	120	5.37	20	
Naphthalene	28.4	4	40	0	71	40	100	10.7	20	
Nitrobenzene	30	4	40	0	75	44	120	8.31	20	
Pentachlorophenol	37.4	4	40	0	93.5	38	120	6.22	20	
Phenanthrene	32.4	4	40	0	81	50	115	8.85	20	
Phenol	15.6	4	40	0	39	20	120	13.2	20	
Pyrene	33.8	4	40	0	84.5	50	130	9.58	20	
Pyridine	20.6	10	40	0	51.5	20	110	17.7	20	
Surr: 2,4,6-Tribromophenol	72.4	0	80	0	90.5	53	155	0	0	
Surr: 2-Fluorobiphenyl	62.8	0	80	0	78.5	55	130	0	0	
Surr: 2-Fluorophenol	39.2	0	80	0	49	25	120	0	0	
Surr: 4-Terphenyl-d14	78.6	0	80	0	98.2	51	135	0	0	
Surr: Nitrobenzene-d5	64.2	0	80	0	80.2	55	124	0	0	
Surr: Phenol-d6	31.6	0	80	0	39.5	20	120	0	0	

Sample ID **ICV-050907** Batch ID: **R23419** TestNo: **SW8270C** Units: **µg/L**
SampType **ICV** Run ID: **GCMS3_050907A** Analysis Date: **9/6/2005 10:39:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3910	4	4000	0	97.8	80	120	0		
1,2-Dichlorobenzene	3670	4	4000	0	91.8	80	120	0		
1,3-Dichlorobenzene	3840	4	4000	0	96	80	120	0		
1,4-Dichlorobenzene	3840	4	4000	0	96	80	120	0		
2,4,5-Trichlorophenol	4380	4	4000	0	110	80	120	0		
2,4,6-Trichlorophenol	4460	4	4000	0	112	80	120	0		
2,4-Dichlorophenol	4370	4	4000	0	109	80	120	0		
2,4-Dimethylphenol	3620	4	4000	0	90.5	80	120	0		
2,4-Dinitrophenol	4620	20	4000	0	116	80	120	0		
2,4-Dinitrotoluene	4090	4	4000	0	102	80	120	0		
2,6-Dinitrotoluene	4130	4	4000	0	103	80	120	0		
2-Chloronaphthalene	4010	4	4000	0	100	80	120	0		
2-Chlorophenol	3770	4	4000	0	94.3	80	120	0		
2-Methylnaphthalene	4090	4	4000	0	102	80	120	0		
2-Methylphenol	4470	4	4000	0	112	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID **ICV-050907**	Batch ID: **R23419**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050907A**	Analysis Date: **9/6/2005 10:39:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
2-Nitroaniline	4780	4	4000	0	120	80	120	0		
2-Nitrophenol	4200	4	4000	0	105	80	120	0		
3,3´-Dichlorobenzidine	4090	4	4000	0	102	70	130	0		
3-Nitroaniline	3980	4	4000	0	99.5	80	120	0		
4,6-Dinitro-2-methylphenol	4450	10	4000	0	111	70	130	0		
4-Bromophenyl phenyl ether	4230	4	4000	0	106	80	120	0		
4-Chloro-3-methylphenol	4370	4	4000	0	109	70	130	0		
4-Chloroaniline	4150	10	4000	0	104	80	120	0		
4-Chlorophenyl phenyl ether	4030	4	4000	0	101	80	120	0		
4-Methylphenol	4220	4	4000	0	106	80	120	0		
4-Nitroaniline	3920	4	4000	0	98	80	120	0		
4-Nitrophenol	4150	20	4000	0	104	60	140	0		
Acenaphthene	3840	4	4000	0	96	80	120	0		
Acenaphthylene	3900	4	4000	0	97.5	80	120	0		
Aniline	3730	4	4000	0	93.2	80	120	0		
Anthracene	3860	4	4000	0	96.5	80	120	0		
Benzo[a]anthracene	3950	4	4000	0	98.8	80	120	0		
Benzo[a]pyrene	4120	4	4000	0	103	80	120	0		
Benzo[b]fluoranthene	4040	4	4000	0	101	80	120	0		
Benzo[g,h,i]perylene	4090	4	4000	0	102	80	120	0		
Benzo[k]fluoranthene	4350	4	4000	0	109	80	120	0		
Benzoic acid	5060	10	4000	0	127	70	130	0		
Benzyl alcohol	4470	10	4000	0	112	70	130	0		
Bis(2-chloroethoxy)methane	4040	4	4000	0	101	80	120	0		
Bis(2-chloroethyl)ether	3730	4	4000	0	93.2	80	120	0		
Bis(2-chloroisopropyl)ether	3730	4	4000	0	93.2	80	120	0		
Bis(2-ethylhexyl)phthalate	4340	4	4000	0	108	80	120	0		
Butyl benzyl phthalate	4420	10	4000	0	110	80	120	0		
Carbazole	3970	4	4000	0	99.2	80	120	0		
Chrysene	4000	4	4000	0	100	80	120	0		
Di-n-butyl phthalate	4130	10	4000	0	103	80	120	0		
Di-n-octyl phthalate	4600	10	4000	0	115	80	120	0		
Dibenz[a,h]anthracene	4400	4	4000	0	110	80	120	0		
Dibenzofuran	3880	4	4000	0	97	80	120	0		
Diethyl phthalate	3860	10	4000	0	96.5	80	120	0		
Dimethyl phthalate	3950	10	4000	0	98.8	80	120	0		
Fluoranthene	4070	4	4000	0	102	80	120	0		
Fluorene	3860	4	4000	0	96.5	80	120	0		
Hexachlorobenzene	4290	4	4000	0	107	80	120	0		
Hexachlorobutadiene	4180	4	4000	0	104	80	120	0		
Hexachlorocyclopentadiene	3520	10	4000	0	88	70	130	0		
Hexachloroethane	3750	4	4000	0	93.8	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID **ICV-050907**	Batch ID: **R23419**	TestNo: **SW8270C**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS3_050907A**	Analysis Date: **9/6/2005 10:39:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Indeno[1,2,3-cd]pyrene	4330	4	4000	0	108	80	120	0		
Isophorone	4230	4	4000	0	106	80	120	0		
N-Nitrosodi-n-propylamine	4170	4	4000	0	104	80	120	0		
N-Nitrosodiphenylamine	4040	4	4000	0	101	80	120	0		
Naphthalene	3780	4	4000	0	94.5	80	120	0		
Nitrobenzene	3850	4	4000	0	96.2	80	120	0		
Pentachlorophenol	4220	4	4000	0	106	80	120	0		
Phenanthrene	3890	4	4000	0	97.2	80	120	0		
Phenol	4020	4	4000	0	101	80	120	0		
Pyrene	4060	4	4000	0	102	80	120	0		
Pyridine	4070	10	4000	0	102	70	130	0		
Surr: 2,4,6-Tribromophenol	4200	0	4000	0	105	80	120	0		
Surr: 2-Fluorobiphenyl	4020	0	4000	0	101	80	120	0		
Surr: 2-Fluorophenol	3810	0	4000	0	95.2	80	120	0		
Surr: 4-Terphenyl-d14	4360	0	4000	0	109	80	120	0		
Surr: Nitrobenzene-d5	3960	0	4000	0	99	80	120	0		
Surr: Phenol-d6	4080	0	4000	0	102	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	**MB-20103**	Batch ID:	**20103**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050830A**	Analysis Date:	**8/30/2005 9:58:00 PM**	Prep Date:	**8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,1,2-Trichloroethane	ND	1								
1,1-Dichloroethane	ND	1								
1,1-Dichloroethene	ND	1								
1,1-Dichloropropene	ND	1								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	1								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	10								
1,2-Dibromoethane	ND	1								
1,2-Dichlorobenzene	ND	1								
1,2-Dichloroethane	ND	1								
1,2-Dichloropropane	ND	1								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	1								
1,3-Dichloropropane	ND	1								
1,4-Dichlorobenzene	ND	1								
2,2-Dichloropropane	ND	1								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	1								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	1								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	15								
Benzene	ND	1								
Bromobenzene	ND	1								
Bromochloromethane	ND	1								
Bromodichloromethane	ND	1								
Bromoform	ND	1								
Bromomethane	ND	1								
Carbon disulfide	ND	15								
Carbon tetrachloride	ND	1								
Chlorobenzene	ND	1								
Chloroethane	ND	1								
Chloroform	ND	1								
Chloromethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
cis-1,3-Dichloropropene	ND	1								

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	**MB-20103**	Batch ID:	**20103**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050830A**	Analysis Date:	**8/30/2005 9:58:00 PM**	Prep Date:	**8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1								
Dibromomethane	ND	1								
Dichlorodifluoromethane	ND	1								
Ethylbenzene	ND	1								
Hexachlorobutadiene	ND	3								
Iodomethane	ND	15								
Isopropylbenzene	ND	1								
m,p-Xylene	ND	2								
Methyl tert-butyl ether	ND	1								
Methylene chloride	ND	2.5								
n-Butylbenzene	ND	1								
n-Propylbenzene	ND	1								
Naphthalene	ND	15								
o-Xylene	ND	1								
p-Isopropyltoluene	ND	1								
sec-Butylbenzene	ND	1								
Styrene	ND	1								
tert-Butylbenzene	ND	1								
Tetrachloroethene	ND	2								
Toluene	ND	2								
trans-1,2-Dichloroethene	ND	1								
trans-1,3-Dichloropropene	ND	1								
Trichloroethene	ND	2								
Trichlorofluoromethane	ND	1								
Vinyl chloride	ND	1								
Surr: 1,2-Dichloroethane-d4	51.62	0	50	0	103	72	119	0		
Surr: 4-Bromofluorobenzene	47.73	0	50	0	95.5	76	119	0		
Surr: Dibromofluoromethane	52.55	0	50	0	105	85	115	0		
Surr: Toluene-d8	47.56	0	50	0	95.1	81	120	0		

Sample ID	**LCS-20103**	Batch ID:	**20103**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**LCS**	Run ID:	**GCMS5_050830A**	Analysis Date:	**8/30/2005 7:33:00 PM**	Prep Date:	**8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25.3	1	23.2	0	109	81	129	0		
1,1,1-Trichloroethane	24.72	1	23.2	0	107	67	132	0		
1,1,2,2-Tetrachloroethane	24.43	1	23.2	0	105	63	128	0		
1,1,2-Trichloroethane	24.5	1	23.2	0	106	75	125	0		
1,1-Dichloroethane	24.24	1	23.2	0	104	69	133	0		
1,1-Dichloroethene	23.88	1	23.2	0	103	68	130	0		
1,1-Dichloropropene	25.35	1	23.2	0	109	73	132	0		
1,2,3-Trichlorobenzene	26.35	5	23.2	0	114	67	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID **LCS-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:33:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	24.73	1	23.2	0	107	73	124	0		
1,2,4-Trichlorobenzene	25.45	5	23.2	0	110	66	134	0		
1,2,4-Trimethylbenzene	25.92	5	23.2	0	112	74	132	0		
1,2-Dibromo-3-chloropropane	23.76	10	23.2	0	102	50	132	0		
1,2-Dibromoethane	24.12	1	23.2	0	104	80	121	0		
1,2-Dichlorobenzene	23.68	1	23.2	0	102	75	125	0		
1,2-Dichloroethane	23.3	1	23.2	0	100	68	127	0		
1,2-Dichloropropane	24.89	1	23.2	0	107	75	125	0		
1,3,5-Trimethylbenzene	26.51	5	23.2	0	114	74	131	0		
1,3-Dichlorobenzene	24.58	1	23.2	0	106	75	124	0		
1,3-Dichloropropane	24.24	1	23.2	0	104	73	126	0		
1,4-Dichlorobenzene	24.98	1	23.2	0	108	74	123	0		
2,2-Dichloropropane	24.24	1	23.2	0	104	69	137	0		
2-Butanone	26.13	15	23.2	0	113	60	135	0		
2-Chloroethylvinylether	24.61	15	23.2	0	106	50	150	0		
2-Chlorotoluene	24.98	1	23.2	0	108	73	126	0		
2-Hexanone	24.22	15	23.2	0	104	50	150	0		
4-Chlorotoluene	25.13	1	23.2	0	108	74	128	0		
4-Methyl-2-pentanone	25.98	15	23.2	0	112	60	135	0		
Acetone	24.57	15	23.2	0	106	40	135	0		
Benzene	24.63	1	23.2	0	106	80	120	0		
Bromobenzene	23.77	1	23.2	0	102	76	124	0		
Bromochloromethane	24.3	1	23.2	0	105	65	129	0		
Bromodichloromethane	24.61	1	23.2	0	106	76	121	0		
Bromoform	25.64	1	23.2	0	111	69	128	0		
Bromomethane	23.87	1	23.2	0	103	53	141	0		
Carbon disulfide	23.7	15	23.2	0	102	50	150	0		
Carbon tetrachloride	24.07	1	23.2	0	104	66	138	0		
Chlorobenzene	24.5	1	23.2	0	106	81	122	0		
Chloroethane	23.66	1	23.2	0	102	58	133	0		
Chloroform	24.33	1	23.2	0	105	69	128	0		
Chloromethane	23.27	1	23.2	0	100	56	131	0		
cis-1,2-Dichloroethene	25.06	1	23.2	0	108	72	126	0		
cis-1,3-Dichloropropene	25.02	1	23.2	0	108	69	131	0		
Dibromochloromethane	23.99	1	23.2	0	103	66	133	0		
Dibromomethane	25.03	1	23.2	0	108	76	125	0		
Dichlorodifluoromethane	22.75	1	23.2	0	98.1	53	153	0		
Ethylbenzene	25.87	1	23.2	0	112	80	120	0		
Hexachlorobutadiene	24.54	3	23.2	0	106	67	131	0		
Iodomethane	21.48	15	23.2	0	92.6	50	150	0		
Isopropylbenzene	25.83	1	23.2	0	111	75	127	0		
m,p-Xylene	53.26	2	46.4	0	115	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID **LCS-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **LCS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:33:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	25.51	1	23.2	0	110	68	130	0		
Methylene chloride	24.35	2.5	23.2	0	105	63	137	0		
n-Butylbenzene	25.79	1	23.2	0	111	69	137	0		
n-Propylbenzene	25.6	1	23.2	0	110	72	129	0		
Naphthalene	25.86	15	23.2	0	111	54	138	0		
o-Xylene	25.36	1	23.2	0	109	80	120	0		
p-Isopropyltoluene	24.91	1	23.2	0	107	73	130	0		
sec-Butylbenzene	26.17	1	23.2	0	113	72	127	0		
Styrene	26.38	1	23.2	0	114	65	134	0		
tert-Butylbenzene	26.05	1	23.2	0	112	70	129	0		
Tetrachloroethene	24.44	2	23.2	0	105	66	128	0		
Toluene	24.6	2	23.2	0	106	80	120	0		
trans-1,2-Dichloroethene	24.64	1	23.2	0	106	63	137	0		
trans-1,3-Dichloropropene	26.24	1	23.2	0	113	59	135	0		
Trichloroethene	24.53	2	23.2	0	106	70	127	0		
Trichlorofluoromethane	22.36	1	23.2	0	96.4	57	129	0		
Vinyl chloride	23.41	1	23.2	0	101	50	134	0		
Surr: 1,2-Dichloroethane-d4	49.15	0	50	0	98.3	72	119	0		
Surr: 4-Bromofluorobenzene	47.96	0	50	0	95.9	76	119	0		
Surr: Dibromofluoromethane	50.77	0	50	0	102	85	115	0		
Surr: Toluene-d8	48.39	0	50	0	96.8	81	120	0		

Sample ID **0508225-01B MS**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:10:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25.16	1	23.2	0	108	81	129	0		
1,1,1-Trichloroethane	24.33	1	23.2	0	105	67	132	0		
1,1,2,2-Tetrachloroethane	23.68	1	23.2	0	102	63	128	0		
1,1,2-Trichloroethane	24.08	1	23.2	0	104	75	125	0		
1,1-Dichloroethane	24.55	1	23.2	0	106	69	133	0		
1,1-Dichloroethene	23.67	1	23.2	0	102	68	130	0		
1,1-Dichloropropene	24.21	1	23.2	0	104	73	132	0		
1,2,3-Trichlorobenzene	22.14	5	23.2	0	95.4	67	137	0		
1,2,3-Trichloropropane	23.78	1	23.2	0	102	73	124	0		
1,2,4-Trichlorobenzene	22.17	5	23.2	0	95.6	66	134	0		
1,2,4-Trimethylbenzene	25	5	23.2	0	108	74	132	0		
1,2-Dibromo-3-chloropropane	21.08	10	23.2	0	90.9	50	132	0		
1,2-Dibromoethane	23.25	1	23.2	0	100	80	121	0		
1,2-Dichlorobenzene	23.11	1	23.2	0	99.6	75	125	0		
1,2-Dichloroethane	23.47	1	23.2	0	101	68	127	0		
1,2-Dichloropropane	24.7	1	23.2	0	106	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	0508225-01B MS	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MS	Run ID:	GCMS5_050830A	Analysis Date:	8/31/2005 5:10:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	25.29	5	23.2	0	109	74	131	0		
1,3-Dichlorobenzene	23.34	1	23.2	0	101	75	124	0		
1,3-Dichloropropane	23.02	1	23.2	0	99.2	73	126	0		
1,4-Dichlorobenzene	23.34	1	23.2	0	101	74	123	0		
2,2-Dichloropropane	18.39	1	23.2	0	79.3	69	137	0		
2-Butanone	23.92	15	23.2	0	103	60	135	0		
2-Chlorotoluene	23.98	1	23.2	0	103	73	126	0		
2-Hexanone	21.99	15	23.2	0	94.8	50	150	0		
4-Chlorotoluene	23.49	1	23.2	0	101	74	128	0		
4-Methyl-2-pentanone	23.61	15	23.2	0	102	60	135	0		
Acetone	28.14	15	23.2	0	121	40	135	0		
Benzene	24.62	1	23.2	0	106	80	120	0		
Bromobenzene	23.11	1	23.2	0	99.6	76	124	0		
Bromochloromethane	24.07	1	23.2	0	104	65	129	0		
Bromodichloromethane	24.57	1	23.2	0	106	76	121	0		
Bromoform	24.24	1	23.2	0	104	69	128	0		
Bromomethane	16.39	1	23.2	0	70.6	53	141	0		
Carbon disulfide	23.29	15	23.2	0	100	50	150	0		
Carbon tetrachloride	24.15	1	23.2	0	104	66	138	0		
Chlorobenzene	23.96	1	23.2	0	103	81	122	0		
Chloroethane	25.84	1	23.2	0	111	58	133	0		
Chloroform	24.53	1	23.2	0	106	69	128	0		
Chloromethane	22.56	1	23.2	0	97.2	56	131	0		
cis-1,2-Dichloroethene	24.82	1	23.2	0	107	72	126	0		
cis-1,3-Dichloropropene	22.76	1	23.2	0	98.1	69	131	0		
Dibromochloromethane	23.32	1	23.2	0	101	66	133	0		
Dibromomethane	24.13	1	23.2	0	104	76	125	0		
Dichlorodifluoromethane	21.76	1	23.2	0	93.8	53	153	0		
Ethylbenzene	24.96	1	23.2	0	108	80	120	0		
Hexachlorobutadiene	20.57	3	23.2	0	88.7	67	131	0		
Iodomethane	18.84	15	23.2	0	81.2	50	150	0		
Isopropylbenzene	24.82	1	23.2	0	107	75	127	0		
m,p-Xylene	50.85	2	46.4	0	110	80	120	0		
Methyl tert-butyl ether	24.66	1	23.2	0	106	68	130	0		
Methylene chloride	24.35	2.5	23.2	0	105	63	137	0		
n-Butylbenzene	22	1	23.2	0	94.8	69	137	0		
n-Propylbenzene	23.55	1	23.2	0	102	72	129	0		
Naphthalene	24.15	15	23.2	0	104	54	138	0		
o-Xylene	24.68	1	23.2	0	106	80	120	0		
p-Isopropyltoluene	22.93	1	23.2	0	98.8	73	130	0		
sec-Butylbenzene	24.03	1	23.2	0	104	72	127	0		
Styrene	25.18	1	23.2	0	109	65	134	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID **0508225-01B MS**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:10:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
tert-Butylbenzene	24.73	1	23.2	0	107	70	129	0		
Tetrachloroethene	22.2	2	23.2	0	95.7	66	128	0		
Toluene	24.69	2	23.2	0	106	80	120	0		
trans-1,2-Dichloroethene	24.1	1	23.2	0	104	63	137	0		
trans-1,3-Dichloropropene	24.12	1	23.2	0	104	59	135	0		
Trichloroethene	24.1	2	23.2	0	104	70	127	0		
Trichlorofluoromethane	22.95	1	23.2	0	98.9	57	129	0		
Vinyl chloride	23.77	1	23.2	0	102	50	134	0		
Surr: 1,2-Dichloroethane-d4	49.8	0	50	0	99.6	72	119	0		
Surr: 4-Bromofluorobenzene	48.06	0	50	0	96.1	76	119	0		
Surr: Dibromofluoromethane	51.86	0	50	0	104	85	115	0		
Surr: Toluene-d8	48.1	0	50	0	96.2	81	120	0		

Sample ID **0508225-01B MSD**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:34:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	24.66	1	23.2	0	106	81	129	2.01	20	
1,1,1-Trichloroethane	23.99	1	23.2	0	103	67	132	1.41	20	
1,1,2,2-Tetrachloroethane	22.54	1	23.2	0	97.2	63	128	4.93	20	
1,1,2-Trichloroethane	23.76	1	23.2	0	102	75	125	1.34	20	
1,1-Dichloroethane	23.41	1	23.2	0	101	69	133	4.75	20	
1,1-Dichloroethene	23.28	1	23.2	0	100	68	130	1.66	20	
1,1-Dichloropropene	23.64	1	23.2	0	102	73	132	2.38	20	
1,2,3-Trichlorobenzene	22.18	5	23.2	0	95.6	67	137	0.181	20	
1,2,3-Trichloropropane	22.59	1	23.2	0	97.4	73	124	5.13	20	
1,2,4-Trichlorobenzene	21.51	5	23.2	0	92.7	66	134	3.02	20	
1,2,4-Trimethylbenzene	23.77	5	23.2	0	102	74	132	5.04	20	
1,2-Dibromo-3-chloropropane	20.55	10	23.2	0	88.6	50	132	2.55	20	
1,2-Dibromoethane	22.74	1	23.2	0	98	80	121	2.22	20	
1,2-Dichlorobenzene	22.38	1	23.2	0	96.5	75	125	3.21	20	
1,2-Dichloroethane	22.82	1	23.2	0	98.4	68	127	2.81	20	
1,2-Dichloropropane	23.84	1	23.2	0	103	75	125	3.54	20	
1,3,5-Trimethylbenzene	24.64	5	23.2	0	106	74	131	2.60	20	
1,3-Dichlorobenzene	22.75	1	23.2	0	98.1	75	124	2.56	20	
1,3-Dichloropropane	23.03	1	23.2	0	99.3	73	126	0.0434	20	
1,4-Dichlorobenzene	22.78	1	23.2	0	98.2	74	123	2.43	20	
2,2-Dichloropropane	17.46	1	23.2	0	75.3	69	137	5.19	20	
2-Butanone	22.62	15	23.2	0	97.5	60	135	5.59	20	
2-Chlorotoluene	23.25	1	23.2	0	100	73	126	3.09	20	
2-Hexanone	21.15	15	23.2	0	91.2	50	150	3.89	20	
4-Chlorotoluene	22.86	1	23.2	0	98.5	74	128	2.72	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	0508225-01B MSD	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MSD	Run ID:	GCMS5_050830A	Analysis Date:	8/31/2005 5:34:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	22.55	15	23.2	0	97.2	60	135	4.59	20	
Acetone	26.95	15	23.2	0	116	40	135	4.32	20	
Benzene	24.09	1	23.2	0	104	80	120	2.18	20	
Bromobenzene	22.56	1	23.2	0	97.2	76	124	2.41	20	
Bromochloromethane	23.6	1	23.2	0	102	65	129	1.97	20	
Bromodichloromethane	23.8	1	23.2	0	103	76	121	3.18	20	
Bromoform	23.28	1	23.2	0	100	69	128	4.04	20	
Bromomethane	16.5	1	23.2	0	71.1	53	141	0.669	20	
Carbon disulfide	22.77	15	23.2	0	98.1	50	150	2.26	20	
Carbon tetrachloride	23.62	1	23.2	0	102	66	138	2.22	20	
Chlorobenzene	23.51	1	23.2	0	101	81	122	1.90	20	
Chloroethane	24.51	1	23.2	0	106	58	133	5.28	20	
Chloroform	23.82	1	23.2	0	103	69	128	2.94	20	
Chloromethane	21.09	1	23.2	0	90.9	56	131	6.74	20	
cis-1,2-Dichloroethene	24.21	1	23.2	0	104	72	126	2.49	20	
cis-1,3-Dichloropropene	22.57	1	23.2	0	97.3	69	131	0.838	20	
Dibromochloromethane	22.74	1	23.2	0	98	66	133	2.52	20	
Dibromomethane	23.67	1	23.2	0	102	76	125	1.92	20	
Dichlorodifluoromethane	20.51	1	23.2	0	88.4	53	153	5.91	20	
Ethylbenzene	24.7	1	23.2	0	106	80	120	1.05	20	
Hexachlorobutadiene	20.13	3	23.2	0	86.8	67	131	2.16	20	
Iodomethane	18.15	15	23.2	0	78.2	50	150	3.73	20	
Isopropylbenzene	24.81	1	23.2	0	107	75	127	0.0403	20	
m,p-Xylene	50.96	2	46.4	0	110	80	120	0.216	20	
Methyl tert-butyl ether	23.94	1	23.2	0	103	68	130	2.96	20	
Methylene chloride	23.84	2.5	23.2	0	103	63	137	2.12	20	
n-Butylbenzene	21.39	1	23.2	0	92.2	69	137	2.81	20	
n-Propylbenzene	23.31	1	23.2	0	100	72	129	1.02	20	
Naphthalene	22.37	15	23.2	0	96.4	54	138	7.65	20	
o-Xylene	24.39	1	23.2	0	105	80	120	1.18	20	
p-Isopropyltoluene	22.2	1	23.2	0	95.7	73	130	3.24	20	
sec-Butylbenzene	23.76	1	23.2	0	102	72	127	1.13	20	
Styrene	25.04	1	23.2	0	108	65	134	0.558	20	
tert-Butylbenzene	24.08	1	23.2	0	104	70	129	2.66	20	
Tetrachloroethene	21.67	2	23.2	0	93.4	66	128	2.42	20	
Toluene	24.14	2	23.2	0	104	80	120	2.25	20	
trans-1,2-Dichloroethene	23.52	1	23.2	0	101	63	137	2.44	20	
trans-1,3-Dichloropropene	23.75	1	23.2	0	102	59	135	1.55	20	
Trichloroethene	23.11	2	23.2	0	99.6	70	127	4.19	20	
Trichlorofluoromethane	21.9	1	23.2	0	94.4	57	129	4.68	20	
Vinyl chloride	23.15	1	23.2	0	99.8	50	134	2.64	20	
Surr: 1,2-Dichloroethane-d4	48.69	0	50	0	97.4	72	119	0	0	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	**0508225-01B MSD**	Batch ID:	**20103**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**GCMS5_050830A**	Analysis Date:	**8/31/2005 5:34:00 AM**	Prep Date:	**8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47.65	0	50	0	95.3	76	119	0	0	
Surr: Dibromofluoromethane	51.45	0	50	0	103	85	115	0	0	
Surr: Toluene-d8	48.24	0	50	0	96.5	81	120	0	0	

Sample ID	**ICV-050830**	Batch ID:	**R23342**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS5_050830A**	Analysis Date:	**8/30/2005 7:00:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.76	1	46.4	0	98.6	80	120	0		
1,1,1-Trichloroethane	44.38	1	46.4	0	95.6	80	120	0		
1,1,2,2-Tetrachloroethane	45.97	1	46.4	0	99.1	80	120	0		
1,1,2-Trichloroethane	44.56	1	46.4	0	96	80	120	0		
1,1-Dichloroethane	44.14	1	46.4	0	95.1	80	120	0		
1,1-Dichloroethene	42.78	1	46.4	0	92.2	80	120	0		
1,1-Dichloropropene	46.46	1	46.4	0	100	80	120	0		
1,2,3-Trichlorobenzene	48.61	5	46.4	0	105	80	120	0		
1,2,3-Trichloropropane	45.03	1	46.4	0	97	80	120	0		
1,2,4-Trichlorobenzene	48.86	5	46.4	0	105	80	120	0		
1,2,4-Trimethylbenzene	49.89	5	46.4	0	108	80	120	0		
1,2-Dibromo-3-chloropropane	45.4	10	46.4	0	97.8	80	120	0		
1,2-Dibromoethane	46.06	1	46.4	0	99.3	80	120	0		
1,2-Dichlorobenzene	45.61	1	46.4	0	98.3	80	120	0		
1,2-Dichloroethane	41.37	1	46.4	0	89.2	80	120	0		
1,2-Dichloropropane	45.16	1	46.4	0	97.3	80	120	0		
1,3,5-Trimethylbenzene	49.95	5	46.4	0	108	80	120	0		
1,3-Dichlorobenzene	46.03	1	46.4	0	99.2	80	120	0		
1,3-Dichloropropane	45	1	46.4	0	97	80	120	0		
1,4-Dichlorobenzene	45.75	1	46.4	0	98.6	80	120	0		
2,2-Dichloropropane	45.61	1	46.4	0	98.3	80	120	0		
2-Butanone	48.78	15	46.4	0	105	80	120	0		
2-Chloroethylvinylether	46.28	15	46.4	0	99.7	80	120	0		
2-Chlorotoluene	47.09	1	46.4	0	101	80	120	0		
2-Hexanone	44.65	15	46.4	0	96.2	80	120	0		
4-Chlorotoluene	47.42	1	46.4	0	102	80	120	0		
4-Methyl-2-pentanone	49.34	15	46.4	0	106	80	120	0		
Acetone	46.38	15	46.4	0	100	80	120	0		
Benzene	44.71	1	46.4	0	96.4	80	120	0		
Bromobenzene	44.83	1	46.4	0	96.6	80	120	0		
Bromochloromethane	43.27	1	46.4	0	93.3	80	120	0		
Bromodichloromethane	44.53	1	46.4	0	96	80	120	0		
Bromoform	48.15	1	46.4	0	104	80	120	0		
Bromomethane	42.74	1	46.4	0	92.1	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID **ICV-050830**	Batch ID: **R23342**	TestNo: **SW8260B**	Units: **µg/L**
SampType **ICV**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:00:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Carbon disulfide	42.48	15	46.4	0	91.6	80	120	0		
Carbon tetrachloride	44.98	1	46.4	0	96.9	80	120	0		
Chlorobenzene	44.86	1	46.4	0	96.7	80	120	0		
Chloroethane	47.17	1	46.4	0	102	80	120	0		
Chloroform	43.91	1	46.4	0	94.6	80	120	0		
Chloromethane	41.8	1	46.4	0	90.1	80	120	0		
cis-1,2-Dichloroethene	44.42	1	46.4	0	95.7	80	120	0		
cis-1,3-Dichloropropene	47.03	1	46.4	0	101	80	120	0		
Dibromochloromethane	45.63	1	46.4	0	98.3	80	120	0		
Dibromomethane	44.53	1	46.4	0	96	80	120	0		
Dichlorodifluoromethane	42.07	1	46.4	0	90.7	80	120	0		
Ethylbenzene	46.72	1	46.4	0	101	80	120	0		
Hexachlorobutadiene	49.27	3	46.4	0	106	80	120	0		
Iodomethane	41.46	15	46.4	0	89.4	80	120	0		
Isopropylbenzene	50.5	1	46.4	0	109	80	120	0		
m,p-Xylene	97.98	2	92.8	0	106	80	120	0		
Methyl tert-butyl ether	45.92	1	46.4	0	99	80	120	0		
Methylene chloride	46.34	2.5	46.4	0	99.9	80	120	0		
n-Butylbenzene	51.41	1	46.4	0	111	80	120	0		
n-Propylbenzene	48.14	1	46.4	0	104	80	120	0		
Naphthalene	45.7	15	46.4	0	98.5	80	120	0		
o-Xylene	49.27	1	46.4	0	106	80	120	0		
p-Isopropyltoluene	47.88	1	46.4	0	103	80	120	0		
sec-Butylbenzene	49.78	1	46.4	0	107	80	120	0		
Styrene	49.33	1	46.4	0	106	80	120	0		
tert-Butylbenzene	50.04	1	46.4	0	108	80	120	0		
Tetrachloroethene	45.78	2	46.4	0	98.7	80	120	0		
Toluene	44.53	2	46.4	0	96	80	120	0		
trans-1,2-Dichloroethene	44.99	1	46.4	0	97	80	120	0		
trans-1,3-Dichloropropene	46.93	1	46.4	0	101	80	120	0		
Trichloroethene	44.92	2	46.4	0	96.8	80	120	0		
Trichlorofluoromethane	39.86	1	46.4	0	85.9	80	120	0		
Vinyl chloride	43.33	1	46.4	0	93.4	80	120	0		
Surr: 1,2-Dichloroethane-d4	48.2	0	50	0	96.4	72	119	0		
Surr: 4-Bromofluorobenzene	49.8	0	50	0	99.6	76	119	0		
Surr: Dibromofluoromethane	49.6	0	50	0	99.2	85	115	0		
Surr: Toluene-d8	49.48	0	50	0	99	81	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050830A

Sample ID	MB-050830A	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	MBLK	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID	LCS-050830A	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	LCS	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.005294	0.001	0.00546	0	97	79	117	0		
Ethane	0.01007	0.002	0.011	0	91.5	83	120	0		
Ethylene	0.01348	0.003	0.0141	0	95.6	84	113	0		

Sample ID	LCSD-050830A	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	LCSD	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.005119	0.001	0.00546	0	93.8	79	117	3.35	20	
Ethane	0.009696	0.002	0.011	0	88.1	83	120	3.78	20	
Ethylene	0.01353	0.003	0.0141	0	96	84	113	0.418	20	

Sample ID	0508208-01G DUP	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	DUP	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001	0	0	0	0	0	0	20	
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID	CCV1-050830	Batch ID:	GC5_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	CCV	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000244	0.001	0.000025	0	97.6	80	120	0		
Ethane	0.0000223	0.002	0.000025	0	89.2	80	120	0		
Ethylene	0.0000221	0.003	0.000025	0	88.4	80	120	0		

Sample ID	ICV-050830	Batch ID:	GC5_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	ICV	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000462	0.001	0.00005	0	92.4	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050830A

Sample ID	**ICV-050830**	Batch ID:	**GC5_050830A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC5_050830A**	Analysis Date:	**8/30/2005 2:43:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Ethane	0.0000432	0.002	0.00005	0	86.4	80	120	0		
Ethylene	0.0000481	0.003	0.00005	0	96.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050825A

Sample ID	MB-050825	Batch ID:	R23281	TestNo:	E300	Units:	mg/L
SampType	MBLK	Run ID:	IC_050825A	Analysis Date:	8/25/2005 9:54:15 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	ND	0.5								
Sulfate	ND	3								

Sample ID	LCS-050825	Batch ID:	R23281	TestNo:	E300	Units:	mg/L
SampType	LCS	Run ID:	IC_050825A	Analysis Date:	8/25/2005 10:08:15 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.184	0.5	5	0	104	90	110	0		
Sulfate	30.29	3	30	0	101	90	110	0		

Sample ID	LCSD-050825	Batch ID:	R23281	TestNo:	E300	Units:	mg/L
SampType	LCSD	Run ID:	IC_050825A	Analysis Date:	8/25/2005 10:22:15 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.204	0.5	5	0	104	90	110	0.372	20	
Sulfate	30.16	3	30	0	101	90	110	0.410	20	

Sample ID	0508216-01A MS	Batch ID:	R23281	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050825A	Analysis Date:	8/25/2005 11:34:12 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.721	0.5	5	0.5364	104	90	110	0		
Sulfate	41.78	3	30	11.52	101	90	110	0		

Sample ID	0508225-09E MS	Batch ID:	R23281	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050825A	Analysis Date:	8/25/2005 5:15:15 PM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.209	0.5	5	0	104	90	110	0		
Sulfate	32.55	3	30	2.436	100	90	110	0		

Sample ID	0508216-01A MSD	Batch ID:	R23281	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050825A	Analysis Date:	8/25/2005 11:48:13 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.838	0.5	5	0.5364	106	90	110	2.03	20	
Sulfate	42.3	3	30	11.52	103	90	110	1.25	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050825A

Sample ID	**0508225-09EMSD**	Batch ID:	**R23281**	TestNo:	**E300**	Units:	**mg/L**
SampType	**MSD**	Run ID:	**IC_050825A**	Analysis Date:	**8/25/2005 5:29:14 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.562	0.5	5	0	111	90	110	6.55	20	S
Sulfate	34.45	3	30	2.436	107	90	110	5.67	20	

Sample ID	**CCV1-050825**	Batch ID:	**R23281**	TestNo:	**E300**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**IC_050825A**	Analysis Date:	**8/25/2005 12:16:13 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.216	0.5	5	0	104	90	110	0		
Sulfate	30.33	3	30	0	101	90	110	0		

Sample ID	**CCV2-050825**	Batch ID:	**R23281**	TestNo:	**E300**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**IC_050825A**	Analysis Date:	**8/25/2005 2:21:48 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.191	0.5	5	0	104	90	110	0		
Sulfate	30.01	3	30	0	100	90	110	0		

Sample ID	**CCV2-050825**	Batch ID:	**R23281**	TestNo:	**E300**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**IC_050825A**	Analysis Date:	**8/25/2005 5:01:15 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.215	0.5	5	0	104	90	110	0		
Sulfate	29.97	3	30	0	99.9	90	110	0		

Sample ID	**CCV3-050825**	Batch ID:	**R23281**	TestNo:	**E300**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**IC_050825A**	Analysis Date:	**8/25/2005 5:43:14 PM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.24	0.5	5	0	105	90	110	0		
Sulfate	30.28	3	30	0	101	90	110	0		

Sample ID	**ICV-050825**	Batch ID:	**R23281**	TestNo:	**E300**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**IC_050825A**	Analysis Date:	**8/25/2005 9:24:43 AM**	Prep Date:	**8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	13.23	0.5	12.5	0	106	90	110	0		
Sulfate	77.7	3	75	0	104	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_050829A

Sample ID	**LCS-050829**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**LCS**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 9:21:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	50.48	10	50	0	101	74	129	0		

Sample ID	**0508208-02EDUP**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 9:30:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	ND	10	0	0	0	0	0	0	20	

Sample ID	**0508225-09EDUP**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**DUP**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 11:11:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	49.11	10	0	48.77	0	0	0	0.694	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	49.11	10	0	48.77	0	0	0	0.694	20	

Sample ID	**CCV1-050829**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 10:06:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	20.72	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	78.4	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	99.12	10	100	0	99.1	90	110	0		

Sample ID	**CCV2-050829**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 10:54:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	19.6	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	79.04	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	98.64	10	100	0	98.6	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_050829A

Sample ID	**CCV3-050829**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 11:17:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	18.24	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	80.32	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	98.56	10	100	0	98.6	90	110	0		

Sample ID	**ICV-050829**	Batch ID:	**R23313**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**TITRATOR_050829A**	Analysis Date:	**8/29/2005 9:07:00 AM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	17.68	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	82.08	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	99.76	10	100	0	99.8	98	102	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050825A

Sample ID	MB-20068	Batch ID:	20068	TestNo:	M3500-Fe	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:19:00 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.1								

Sample ID	LCS-20068	Batch ID:	20068	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:19:00 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09609	0.1	0.1	0	96.1	85	115	0		

Sample ID	LCSD-20068	Batch ID:	20068	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:19:00 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09784	0.1	0.1	0	97.8	85	115	1.80	15	

Sample ID	0508208-01HMS	Batch ID:	20068	TestNo:	M3500-Fe	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:40:00 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1194	0.1	0.1	0.00675	113	85	115	0		

Sample ID	0508208-01HMSD	Batch ID:	20068	TestNo:	M3500-Fe	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:40:00 AM	Prep Date:	8/25/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1104	0.1	0.1	0.00675	104	85	115	7.82	15	

Sample ID	CCV1-050825	Batch ID:	Ferrous-08/25/05	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:40:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1976	0.1	0.2	0	98.8	85	115	0		

Sample ID	ICV-050825	Batch ID:	Ferrous-08/25/05	TestNo:	M3500-Fe	Units:	mg/L
SampType	ICV	Run ID:	UV/VIS_2_050825A	Analysis Date:	8/25/2005 10:11:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1011	0.1	0.1	0	101	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050826A

Sample ID	MB-20083	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 12:56:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	ND	0.005								

Sample ID	LCS-20083	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 12:56:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.134	0.005	0.15	0	89.3	80	120	0		

Sample ID	LCSD-20083	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 12:58:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1337	0.005	0.15	0	89.2	80	120	0.179	20	

Sample ID	0508208-01F MS	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 1:08:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1297	0.005	0.15	0	86.4	50	111	0		

Sample ID	0508208-01F MSD	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 1:10:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1298	0.005	0.15	0	86.6	50	111	0.146	30	

Sample ID	CCV1-050826	Batch ID:	R23299	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 1:23:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2738	0.005	0.3	0	91.3	80	120	0		

Sample ID	ICV-050826	Batch ID:	R23299	TestNo:	E376.2	Units:	mg/L
SampType	ICV	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 11:48:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1667	0.005	0.15	0	111	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blanl

CLIENT: Battelle
Work Order: 0508208
Project: Gulfport

MQL SUMMARY REPORT

TestNo: E300	MDL	MQL
Analyte	**mg/L**	**mg/L**
Nitrate-N	0.1	0.5
Sulfate	1	3

TestNo: SW8260B	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,1,1,2-Tetrachloroethane	0.2	1
1,1,1-Trichloroethane	0.2	1
1,1,2,2-Tetrachloroethane	0.2	1
1,1,2-Trichloroethane	0.2	1
1,1-Dichloroethane	0.2	1
1,1-Dichloroethene	0.2	1
1,1-Dichloropropene	0.2	1
1,2,3-Trichlorobenzene	1.5	5
1,2,3-Trichloropropane	0.3	1
1,2,4-Trichlorobenzene	1.5	5
1,2,4-Trimethylbenzene	1.5	5
1,2-Dibromo-3-chloropropane	3	10
1,2-Dibromoethane	0.2	1
1,2-Dichlorobenzene	0.3	1
1,2-Dichloroethane	0.3	1
1,2-Dichloropropane	0.2	1
1,3,5-Trimethylbenzene	1.5	5
1,3-Dichlorobenzene	0.3	1
1,3-Dichloropropane	0.2	1
1,4-Dichlorobenzene	0.3	1
2,2-Dichloropropane	0.2	1
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	0.3	1
2-Hexanone	5	15
4-Chlorotoluene	0.3	1
4-Methyl-2-pentanone	5	15
Acetone	5	15
Benzene	0.2	1
Bromobenzene	0.2	1
Bromochloromethane	0.2	1
Bromodichloromethane	0.2	1
Bromoform	0.2	1
Bromomethane	0.3	1
Carbon disulfide	5	15
Carbon tetrachloride	0.2	1
Chlorobenzene	0.2	1
Chloroethane	0.3	1
Chloroform	0.3	1
Chloromethane	0.3	1
cis-1,2-Dichloroethene	0.2	1
cis-1,3-Dichloropropene	0.2	1
Dibromochloromethane	0.2	1
Dibromomethane	0.2	1
Dichlorodifluoromethane	0.2	1

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Ethylbenzene	0.3	1
Hexachlorobutadiene	1	3
Iodomethane	5	15
Isopropylbenzene	0.2	1
m,p-Xylene	0.6	2
Methyl tert-butyl ether	0.3	1
Methylene chloride	2.5	2.5
n-Butylbenzene	0.3	1
n-Propylbenzene	0.3	1
Naphthalene	5	15
o-Xylene	0.3	1
p-Isopropyltoluene	0.3	1
sec-Butylbenzene	0.3	1
Styrene	0.2	1
tert-Butylbenzene	0.3	1
Tetrachloroethene	0.6	2
Toluene	0.6	2
trans-1,2-Dichloroethene	0.2	1
trans-1,3-Dichloropropene	0.2	1
Trichloroethene	0.6	2
Trichlorofluoromethane	0.2	1
Vinyl chloride	0.1	1

Test No: SW8270C	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,2,4-Trichlorobenzene	1	4
1,2-Dichlorobenzene	1	4
1,3-Dichlorobenzene	1	4
1,4-Dichlorobenzene	1	4
2,4,5-Trichlorophenol	1	4
2,4,6-Trichlorophenol	1	4
2,4-Dichlorophenol	1	4
2,4-Dimethylphenol	2	4
2,4-Dinitrophenol	1	20
2,4-Dinitrotoluene	1	4
2,6-Dinitrotoluene	1	4
2-Chloronaphthalene	1	4
2-Chlorophenol	1	4
2-Methylnaphthalene	1	4
2-Methylphenol	1	4
2-Nitroaniline	1	4
2-Nitrophenol	2	4
3,3´-Dichlorobenzidine	2	4
3-Nitroaniline	1	4
4,6-Dinitro-2-methylphenol	1	10
4-Bromophenyl phenyl ether	1	4
4-Chloro-3-methylphenol	1	4
4-Chloroaniline	1	10
4-Chlorophenyl phenyl ether	1	4
4-Methylphenol	1	4
4-Nitroaniline	2	4
4-Nitrophenol	2	20
Acenaphthene	1	4
Acenaphthylene	1	4
Aniline	1	4
Anthracene	1	4
Benzo[a]anthracene	1	4
Benzo[a]pyrene	1	4
Benzo[b]fluoranthene	1	4
Benzo[g,h,i]perylene	2	4
Benzo[k]fluoranthene	1	4
Benzoic acid	4	10
Benzyl alcohol	1	10
Bis(2-chloroethoxy)methane	1	4
Bis(2-chloroethyl)ether	1	4
Bis(2-chloroisopropyl)ether	1	4
Bis(2-ethylhexyl)phthalate	2	4
Butyl benzyl phthalate	4	10
Carbazole	1	4
Chrysene	1	4
Di-n-butyl phthalate	4	10

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	4	10
Dibenz[a,h]anthracene	1	4
Dibenzofuran	1	4
Diethyl phthalate	4	10
Dimethyl phthalate	4	10
Fluoranthene	1	4
Fluorene	1	4
Hexachlorobenzene	1	4
Hexachlorobutadiene	1	4
Hexachlorocyclopentadiene	2	10
Hexachloroethane	1	4
Indeno[1,2,3-cd]pyrene	1	4
Isophorone	1	4
N-Nitrosodi-n-propylamine	1	4
N-Nitrosodiphenylamine	1	4
Naphthalene	1	4
Nitrobenzene	2	4
Pentachlorophenol	2	4
Phenanthrene	1	4
Phenol	2	4
Pyrene	1	4
Pyridine	4	10

TestNo: RSKERR	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Methane	0.0003	0.001
Ethane	0.0006	0.002
Ethylene	0.001	0.003

TestNo: M8015D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
TPH-DRO C10-C28	0.6	1
TPH-ORO >C28-C35	0.6	1

TestNo: M3500-Fe	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Iron, Ferrous	0.05	0.1

TestNo: SW6020	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
Iron	50	100
Manganese	3	10

TestNo: E376.2	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Sulfide	0.005	0.005

Qualifiers MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

DHL ANALYTICAL

September 10, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0508225

Dear Lydia Cumming:

DHL Analytical received 9 samples on 8/25/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

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This report for Battelle: Gulfport (DHL Work Order 0508225) contains the following information:

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September 10, 2005

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 24673

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE, COLUMBUS, OH, 43201
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMING
ADDITIONAL REPORT COPIES TO: LDC, INC

DATE: 8.24.05 PAGE 1 OF 1
PO #: 200549 DHL WORK ORDER #: ~~0508~~ 0508225
PROJECT LOCATION OR NAME: GULFPORT
CLIENT PROJECT #: G486352-03 COLLECTOR: LC/EB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☒, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐; TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐; GASOLINE MOD 8015 ☐; DIESEL - MOD 8015 ☒; VOC 8260 ☒; SVOC 8270 ☒ PAH 8270 ☐ HOLDPAH ☐; 8081 PESTICIDES ☐ 8151 HERBICIDES ☐; 8082 PCBS ☐; TCLP - METALS (RCRA) ☐ TCLP VOC ☐; TCLP - PEST ☐ HERB ☐ Semi-VOC ☐; TOTAL METALS (RCRA) ☐ OTHER LIST ☒ MN, FE; LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐; RCI ☐ TOX ☐ FLASHPOINT ☐; TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐; pH ☐ HEXAVALENT CHROMIUM ☐; EXPLOSIVES ☐ PECHLORATE ☐; CHLORIDE ☐ ANIONS ☐ ALKALINITY ☒; SULFATE, NITRATE; SULFIDE; MN, FE; FERROUS IRON

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☒	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	VOC 8260 ☒	SVOC 8270 ☒ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☒ MN, FE	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☒	SULFATE, NITRATE	SULFIDE	MN, FE	FERROUS IRON (120.1)	FIELD NOTES
GPT-6-2	01	8.24.05	805	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			LEVEL 3
GPT-6-7	02	8.24.05	920	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			
TRIP BLANK	03	8.24.05	NA	W	40ml vial	2										✓																		LOT # 050817
GPT-6-6	04	8.24.05	1005	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			
GPT-6-3	05	8.24.05	1100	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			
GPT-6-13	06	8.24.05	1255	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			
GPT-6-12	07	8.24.05	1350	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			
GPT-6-10	08	8.24.05	1445	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			
GPT-6-11	09	8.24.05	1555	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓			

SEND QA/QC DATA PACKAGE TO LDC, INC

TOTAL

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Angel Baker	8.24.05 1600	FED EX
RELINQUISHED BY: (Signature) FED EX	DATE/TIME 8.25.5 1000	RECEIVED BY: (Signature) Mark Wix
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ ____

LABORATORY USE ONLY: 47, 5.0, 18
RECEIVING TEMP: 5.2 THERM #: 92
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☒ CARRIER BILL # FED EX
☐ APC DELIVERY
☐ HAND DELIVERED

FedEx Express — US Airbill

FedEx Tracking Number 8540 9702 3039

Form ID No. 0200 — Recipient's Copy

From

Date 8/24/05

Sender's Name LYDIA CUMMING Phone 614 4247778

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201

Your Internal Billing Reference 3171

To

Recipient's Name SAMPLE RECEIVING Phone 512 388 8222

Company DHL Analytical

Recipient's Address 2300 Double Creek Dr

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City ROUND ROCK State TX ZIP 78664

L

8540 9702 3039

4a Express Package Service To add SATURDAY Delivery, see Section 6. *Packages up to 150 lbs.* * To most locations.

- [x] FedEx Priority Overnight — Next business morning.*
- [ ] FedEx Standard Overnight — Next business afternoon.*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.*
- [ ] FedEx 2Day — Second business day.*
- [ ] FedEx Express Saver — Third business day.*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service To add SATURDAY Delivery, see Section 6. *Packages over 150 lbs.* ** To most locations.

- [ ] FedEx 1Day Freight* — Next business day.**
- [ ] FedEx 2Day Freight — Second business day.**
- [ ] FedEx 3Day Freight — Third business day.**

* Call for Confirmation:

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages	Total Weight	Total Declared Value†	Total Charges
4	116	$ .00	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

Rev. Date 5/05 • Part #158281 • ©1994–2005 FedEx • PRINTED IN U.S.A. SRY

FedEx Express — US Airbill

FedEx Tracking Number 8540 9702 3039

Form ID No. 0200 — Sender's Copy

1 **From** *Please print and press hard.*

Date 8/24/05 Sender's FedEx Account Number 0 4320127-1

Sender's Name LYDIA CUMMING Phone (614) 4247778

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201

2 **Your Internal Billing Reference** 3171

First 24 characters will appear on invoice.

3 **To**

Recipient's Name SAMPLE RECEIVING Phone (512) 388 8222

Company DHL Analytical

Recipient's Address 2300 Double Creek Dr

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City ROUND ROCK State TX ZIP 78664

4a Express Package Service To add SATURDAY Delivery, see Section 5. *Packages up to 150 lbs.* * To most locations.

- [x] FedEx Priority Overnight — Next business morning.*
- [ ] FedEx Standard Overnight — Next business afternoon.*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.*
- [ ] FedEx 2Day — Second business day.*
- [ ] FedEx Express Saver — Third business day.*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service To add SATURDAY Delivery, see Section 5. *Packages over 150 lbs.* ** To most locations.

- [ ] FedEx 1Day Freight* — Next business day.**
- [ ] FedEx 2Day Freight — Second business day.**
- [ ] FedEx 3Day Freight — Third business day.**

* Call for Confirmation:

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes.
- [ ] HOLD Weekday at FedEx Location — NOT Available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†	
4		$ .00	FedEx Use Only

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required
- [ ] Direct Signature
- [ ] Indirect Signature

Try online shipping at fedex.com

4

DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** | Date Received: **8/25/05**

Work Order Number **0508225** | Received by MLW

Checklist completed by Matt Wat (Signature) 8.25.5 (Date) | Reviewed by JD (Initials) 8/25/05 (Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon recipt?	Yes ☑	No ☐	NotApplicable ☐

Adjusted? NO Checked by MW

Any No response must be detailed in the comments section below.

Client contacted Battelle Date contacted: 8/25/05 Person contacted Lydia C

Contacted by: JOHN D. Regarding: Broken Bottle

Comments: Sample ~~OGS~~ BIT - one of 2 half-liter jars. JD 06C (GPT 6-13)

Corrective Action Taken: proceed w/analysis - no Backup sample available

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
Michelle Green – QA Manager
John DuPont – General Manager

Signature

9/12/05
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Sulfport	Date: 9-10-05
Reviewer Name: Michelle Green	Laboratory Work Order: 0508225
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		CHAIN-OF-CUSTODY (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				R1-01
		2) Were all departures from standard conditions described in an exception report?					
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	✓				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		3) Were calculations checked by a peer or supervisor?	✓				
		4) Were all analyte identifications checked by a peer or supervisor?	✓				
		5) Were sample quantitation limits reported for all analytes not detected?	✓				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		8) If required for the project, TICs reported?			✓		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?					
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?					
R5	OI	**TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	✓				
		2) Were blanks analyzed at the appropriate frequency?	✓				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		4) Were blank concentrations < MQL?	✓				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS)**					
		1) Were all COCs included in the LCS?	✓				
		2) Was each LCS taken through the entire analytical procedure, (prep and cleanup steps)?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs & RPD recovery within the laboratory QC limits?		✓			R6-04
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	✓				
		2) Were MS/MSD analyzed at the appropriate frequency?	✓				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✓			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?	✓				
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	✓				
		2) Were analytical duplicates analyzed at the appropriate frequency?	✓				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS)**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	✓				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		3) Are unadjusted MQLs included in the laboratory data package?	✓				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				R10-01
		2) Were all necessary corrective actions performed for the reported data?	✓				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Sulfport | Date: 9-10-05

Reviewer Name: Michelle Green | Laboratory Work Order: 0508225

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		2) Were percent RSDs or correlation coefficient criteria met?	✓				
		3) Was the number of standards recommended in the method used for all analytes?	✓				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		5) Are ICAL data available for all instruments used?	✓				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	✓				
		2) Were percent differences for each analyte within the method-required QC limits?	✓				
		3) Was the ICAL curve verified for each analyte?	✓				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✓				
S3	O	**MASS SPECTRAL TUNING**					
		1) Was the appropriate compound for the method used for tuning?	✓				
		2) Were ion abundance data within the method-required QC limits?	✓				
S4	O	**INTERNAL STANDARDS (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, & SECTION 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		2) Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**DUAL COLUMN CONFIRMATION**					
		1) Did dual column confirmation results meet the method-required QC?	✓				
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS**					
		1) Were percent recoveries within method QC limits?	✓				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		✓			S9-01
S10	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	✓				
S11	OI	**PROFICIENCY TEST REPORTS**					
		1) Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**STANDARDS DOCUMENTATION**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		1) Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	✓				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS (NELAC)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS)**					
		1) Are the laboratory SOPs current and on file for each method performed?	✓				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable. 4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508225

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method SW8260B - Volatile Organics
Method SW6020 - Metals Analysis
Method SW8870C - Semi-volatile Organics
EPA Method 300 - Anions by IC
EPA Method 310.1 - Alkalinity
EPA Method 376.2 - Sulfide Analysis
Method M8015D - Diesel Range Organics
Method M3500-FE - Ferrous Iron
Method RSKERR - Dissolved Gas

Exception Report R1-01

Samples were received and log-in performed on 8/25/05. A total of 9 samples were received. For sample GPT-6-13 one of two half liter was broken in transit to the laboratory. No back up sample was available proceeded with as per clients request. The other samples arrived in good condition and were properly packaged.

Exception Report R6-04

For Semi-volatile organic analysis the recovery for the LCS was below control limits for Benzoic acid. This is flagged accordingly in the QC summary report. No further corrective actions were taken.

Exception Report R7-03

For Metals analysis the matrix spike duplicate and matrix spike duplicate were below control limits for Iron and Manganese. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. No further corrective actions were taken.

For Anion analysis the matrix spike duplicate was above control limits for Nitrate-N. This is flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. No further corrective actions were taken.

Exception Report R10-01

For Ferrous Iron analysis the samples are collected in un-preserved VOA vials with no headspace, therefore the sample hold time is 7 days from collection.

For Volatile organic analysis tuning criteria is the CLP limits as per note Table 4 of method SW8260.

Exception Report S9-01

For Metals Analysis the recovery for the PDS was above below control limits for Iron and Manganese. The serial dilution was within control limits for these analytes therefore no further corrective actions were taken.

DATA REPORTING

Sample reports include the Sample Quantitation Limit (SQL) and the Reporting Limit (RL) for each analyte. The computer system allows for reporting SQL with 2 significant figures and the RL with 3 significant figures. Because of rounding it may sometime appear that a "J" flagged result is lower than the SQL if the sample result is very near the SQL.

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508225

Work Order Sample Summary

Lab Sam I	Client Sample ID	Tag Number	Collection Date	Date Recved
0508225-01	GPT-6-2		8/24/2005 8:05:00 AM	8/25/2005
0508225-02	GPT-6-7		8/24/2005 9:20:00 AM	8/25/2005
0508225-03	Trip Blank		8/24/2005	8/25/2005
0508225-04	GPT-6-6		8/24/2005 10:05:00 AM	8/25/2005
0508225-05	GPT-6-3		8/24/2005 11:00:00 AM	8/25/2005
0508225-06	GPT-6-13		8/24/2005 12:55:00 PM	8/25/2005
0508225-07	GPT-6-12		8/24/2005 1:50:00 PM	8/25/2005
0508225-08	GPT-6-10		8/24/2005 2:45:00 PM	8/25/2005
0508225-09	GPT-6-11		8/24/2005 3:55:00 PM	8/25/2005

Lab Order: 0508225
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508225-01A	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-01B	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-01C	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-01D	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-01E	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	E310.1	Alkalinity	8/29/2005 10:30:00 AM	R23313
0508225-01F	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-01G	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-01H	GPT-6-2	8/24/2005 8:05:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-02A	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-02B	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-02C	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-02D	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-02E	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	E310.1	Alkalinity	8/29/2005 10:33:00 AM	R23313
0508225-02F	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-02G	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-02H	GPT-6-7	8/24/2005 9:20:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-03A	Trip Blank	8/24/2005	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-04A	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-04B	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-04C	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101

Lab Order: 0508225
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508225-04D	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-04E	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	E310.1	Alkalinity	8/29/2005 10:36:00 AM	R23313
0508225-04F	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-04G	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-04H	GPT-6-6	8/24/2005 10:05:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-05A	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-05B	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-05C	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-05D	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-05E	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	E310.1	Alkalinity	8/29/2005 10:39:00 AM	R23313
0508225-05F	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-05G	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-05H	GPT-6-3	8/24/2005 11:00:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-06A	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-06B	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-06C	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-06D	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-06E	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	E310.1	Alkalinity	8/29/2005 10:42:00 AM	R23313

Lab Order: 0508225
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508225-06F	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-06G	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-06H	GPT-6-13	8/24/2005 12:55:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-07A	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-07B	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-07C	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-07D	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-07E	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	E310.1	Alkalinity	8/29/2005 10:44:00 AM	R23313
0508225-07F	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-07G	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-07H	GPT-6-12	8/24/2005 1:50:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-08A	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508225-08B	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-08C	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-08D	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-08E	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	E310.1	Alkalinity	8/29/2005 10:48:00 AM	R23313
0508225-08F	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-08G	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-08H	GPT-6-10	8/24/2005 2:45:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068
0508225-09A	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073

Lab Order: 0508225
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508225-09B	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508225-09C	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/30/2005 10:16:44 AM	20101
0508225-09D	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 10:55:14 AM	20090
0508225-09E	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	E300	Anions by IC method - Water	8/25/2005	R23281
	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	E310.1	Alkalinity	8/29/2005 11:08:00 AM	R23313
0508225-09F	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508225-09G	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508225-09H	GPT-6-11	8/24/2005 3:55:00 PM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/25/2005 10:00:00 AM	20068

Lab Order: 0508225
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508225-01A	GPT-6-2	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 5:51:14 PM	GC15_050830A
0508225-01B	GPT-6-2	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/30/2005 11:10:00 PM	GCMS5_050830A
0508225-01C	GPT-6-2	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 1:06:00 PM	GCMS3_050906A
0508225-01D	GPT-6-2	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:22:00 PM	ICP-MS_050829A
0508225-01E	GPT-6-2	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 3:09:12 PM	IC_050825A
	GPT-6-2	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:30:00 AM	TITRATOR_050829A
0508225-01F	GPT-6-2	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:23:00 PM	UV/VIS_2_050826A
0508225-01G	GPT-6-2	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508225-01H	GPT-6-2	Aqueous	M3500-FE	Ferrous Iron	20068	1	8/25/2005 1:05:00 PM	UV/VIS_2_050825A
0508225-02A	GPT-6-7	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 6:16:40 PM	GC15_050830A
0508225-02B	GPT-6-7	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/30/2005 11:34:00 PM	GCMS5_050830A
0508225-02C	GPT-6-7	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 1:44:00 PM	GCMS3_050906A
0508225-02D	GPT-6-7	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:30:00 PM	ICP-MS_050829A
0508225-02E	GPT-6-7	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 3:23:12 PM	IC_050825A
	GPT-6-7	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:33:00 AM	TITRATOR_050829A
0508225-02F	GPT-6-7	Aqueous	E376.2	Sulfides-Aqueous	20083	5	8/26/2005 1:38:00 PM	UV/VIS_2_050826A
0508225-02G	GPT-6-7	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-7	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	10	8/30/2005 2:43:00 PM	GC5_050830A
0508225-02H	GPT-6-7	Aqueous	M3500-FE	Ferrous Iron	20068	10	8/25/2005 1:18:00 PM	UV/VIS_2_050825A
0508225-03A	Trip Blank	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/30/2005 10:22:00 PM	GCMS5_050830A
0508225-04A	GPT-6-6	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 6:41:59 PM	GC15_050830A
0508225-04B	GPT-6-6	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 4:22:00 AM	GCMS5_050830A
0508225-04C	GPT-6-6	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 2:22:00 PM	GCMS3_050906A

Lab Order: 0508225
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508225-04D	GPT-6-6	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:34:00 PM	ICP-MS_050829A
0508225-04E	GPT-6-6	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 3:37:13 PM	IC_050825A
	GPT-6-6	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:36:00 AM	TITRATOR_050829A
0508225-04F	GPT-6-6	Aqueous	E376.2	Sulfides-Aqueous	20083	5	8/26/2005 1:38:00 PM	UV/VIS_2_050826A
0508225-04G	GPT-6-6	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	40	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-6	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508225-04H	GPT-6-6	Aqueous	M3500-FE	Ferrous Iron	20068	1	8/25/2005 1:05:00 PM	UV/VIS_2_050825A
0508225-05A	GPT-6-3	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 7:07:15 PM	GC15_050830A
0508225-05B	GPT-6-3	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/30/2005 11:58:00 PM	GCMS5_050830A
0508225-05C	GPT-6-3	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 3:00:00 PM	GCMS3_050906A
0508225-05D	GPT-6-3	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:38:00 PM	ICP-MS_050829A
0508225-05E	GPT-6-3	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 3:51:13 PM	IC_050825A
	GPT-6-3	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:39:00 AM	TITRATOR_050829A
0508225-05F	GPT-6-3	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:38:00 PM	UV/VIS_2_050826A
0508225-05G	GPT-6-3	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	40	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-3	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508225-05H	GPT-6-3	Aqueous	M3500-FE	Ferrous Iron	20068	5	8/25/2005 1:05:00 PM	UV/VIS_2_050825A
0508225-06A	GPT-6-13	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 7:32:27 PM	GC15_050830A
0508225-06B	GPT-6-13	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 12:22:00 AM	GCMS5_050830A
0508225-06C	GPT-6-13	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 3:39:00 PM	GCMS3_050906A
0508225-06D	GPT-6-13	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:43:00 PM	ICP-MS_050829A
0508225-06E	GPT-6-13	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 4:05:14 PM	IC_050825A
	GPT-6-13	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:42:00 AM	TITRATOR_050829A

Lab Order: 0508225
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508225-06F	GPT-6-13	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:38:00 PM	UV/VIS_2_050826A
0508225-06G	GPT-6-13	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508225-06H	GPT-6-13	Aqueous	M3500-FE	Ferrous Iron	20068	5	8/25/2005 1:28:00 PM	UV/VIS_2_050825A
0508225-07A	GPT-6-12	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 7:07:15 PM	GC15_050830B
0508225-07B	GPT-6-12	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 12:46:00 AM	GCMS5_050830A
0508225-07C	GPT-6-12	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 4:21:00 PM	GCMS3_050906A
0508225-07D	GPT-6-12	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:47:00 PM	ICP-MS_050829A
0508225-07E	GPT-6-12	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 4:19:14 PM	IC_050825A
	GPT-6-12	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:44:00 AM	TITRATOR_050829A
0508225-07F	GPT-6-12	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:51:00 PM	UV/VIS_2_050826A
0508225-07G	GPT-6-12	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508225-07H	GPT-6-12	Aqueous	M3500-FE	Ferrous Iron	20068	10	8/25/2005 1:18:00 PM	UV/VIS_2_050825A
0508225-08A	GPT-6-10	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 7:32:27 PM	GC15_050830B
0508225-08B	GPT-6-10	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 1:10:00 AM	GCMS5_050830A
0508225-08C	GPT-6-10	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 5:04:00 PM	GCMS3_050906A
0508225-08D	GPT-6-10	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:51:00 PM	ICP-MS_050829A
0508225-08E	GPT-6-10	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 4:33:14 PM	IC_050825A
	GPT-6-10	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 10:48:00 AM	TITRATOR_050829A
0508225-08F	GPT-6-10	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:51:00 PM	UV/VIS_2_050826A
0508225-08G	GPT-6-10	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	10	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-10	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508225-08H	GPT-6-10	Aqueous	M3500-FE	Ferrous Iron	20068	10	8/25/2005 1:18:00 PM	UV/VIS_2_050825A
0508225-09A	GPT-6-11	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 7:57:37 PM	GC15_050830A

Lab Order: 0508225
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508225-09B	GPT-6-11	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 1:33:00 AM	GCMS5_050830A
0508225-09C	GPT-6-11	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20101	1	9/6/2005 5:43:00 PM	GCMS3_050906A
0508225-09D	GPT-6-11	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20090	1	8/29/2005 5:55:00 PM	ICP-MS_050829A
0508225-09E	GPT-6-11	Aqueous	E300	Anions by IC method - Water	R23281	1	8/25/2005 4:47:15 PM	IC_050825A
	GPT-6-11	Aqueous	E310.1	Alkalinity	R23313	1	8/29/2005 11:08:00 AM	TITRATOR_050829A
0508225-09F	GPT-6-11	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:51:00 PM	UV/VIS_2_050826A
0508225-09G	GPT-6-11	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-11	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	20	8/30/2005 2:43:00 PM	GC5_050830A
0508225-09H	GPT-6-11	Aqueous	M3500-FE	Ferrous Iron	20068	1	8/25/2005 1:35:00 PM	UV/VIS_2_050825A

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:09:12 PM
Sulfate	6.54	1.0	3.00		mg/L	1	8/25/2005 3:09:12 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 11:10:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 11:10:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 11:10:00 PM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/30/2005 11:10:00 PM
Surr: 4-Bromofluorobenzene	95.9	0	76-119		%REC	1	8/30/2005 11:10:00 PM

Qualifiers:

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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/30/2005 11:10:00 PM
Surr: Toluene-d8	97.0	0	81-120		%REC	1	8/30/2005 11:10:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 1:06:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Surr: 2,4,6-Tribromophenol	75.8	0	53-155		%REC	1	9/6/2005 1:06:00 PM
Surr: 2-Fluorobiphenyl	78.5	0	55-130		%REC	1	9/6/2005 1:06:00 PM
Surr: 2-Fluorophenol	45.8	0	25-120		%REC	1	9/6/2005 1:06:00 PM
Surr: 4-Terphenyl-d14	106	0	51-135		%REC	1	9/6/2005 1:06:00 PM
Surr: Nitrobenzene-d5	78.0	0	55-124		%REC	1	9/6/2005 1:06:00 PM
Surr: Phenol-d6	29.8	0	20-120		%REC	1	9/6/2005 1:06:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	ND	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 5:51:14 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:51:14 PM
Surr: o-Terphenyl	80.5	0	64-132		%REC	1	8/30/2005 5:51:14 PM
Surr: Octacosane	103	0	26-152		%REC	1	8/30/2005 5:51:14 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	8/25/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	ND	50	100		µg/L	1	8/29/2005 5:22:00 PM
Manganese	ND	3.0	10.0		µg/L	1	8/29/2005 5:22:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:23:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:23:12 PM
Sulfate	4.48	1.0	3.00		mg/L	1	8/25/2005 3:23:12 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	22.5	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
Alkalinity, Total (As CaCO3)	22.5	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 11:34:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 11:34:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
o-Xylene	0.41	0.30	1.00	J	µg/L	1	8/30/2005 11:34:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 11:34:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/30/2005 11:34:00 PM
Surr: 4-Bromofluorobenzene	93.9	0	76-119		%REC	1	8/30/2005 11:34:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/30/2005 11:34:00 PM
Surr: Toluene-d8	95.0	0	81-120		%REC	1	8/30/2005 11:34:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 1:44:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-ethylhexyl)phthalate	2.6	2.0	4.00	J	µg/L	1	9/6/2005 1:44:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Surr: 2,4,6-Tribromophenol	95.2	0	53-155		%REC	1	9/6/2005 1:44:00 PM
Surr: 2-Fluorobiphenyl	77.8	0	55-130		%REC	1	9/6/2005 1:44:00 PM
Surr: 2-Fluorophenol	48.8	0	25-120		%REC	1	9/6/2005 1:44:00 PM
Surr: 4-Terphenyl-d14	99.5	0	51-135		%REC	1	9/6/2005 1:44:00 PM
Surr: Nitrobenzene-d5	76.0	0	55-124		%REC	1	9/6/2005 1:44:00 PM
Surr: Phenol-d6	33.0	0	20-120		%REC	1	9/6/2005 1:44:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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E - TPH pattern not Gas or Diesel Range Pattern
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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.367	0.0030	0.0100		mg/L	10	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
Surr: o-Terphenyl	90.4	0	64-132		%REC	1	8/30/2005 6:16:40 PM
Surr: Octacosane	115	0	26-152		%REC	1	8/30/2005 6:16:40 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	4.69	0.50	1.00		mg/L	10	8/25/2005 1:18:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	3800	50	100		µg/L	1	8/29/2005 5:30:00 PM
Manganese	48.9	3.0	10.0		µg/L	1	8/29/2005 5:30:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.67	0.025	0.0250		mg/L	5	8/26/2005 1:38:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0508225-03
Project No:	G486352-03	**Collection Date:**	8/24/2005
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0508225-03
Project No:	G486352-03	**Collection Date:**	8/24/2005
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 10:22:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 10:22:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 10:22:00 PM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/30/2005 10:22:00 PM
Surr: 4-Bromofluorobenzene	96.5	0	76-119		%REC	1	8/30/2005 10:22:00 PM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/30/2005 10:22:00 PM
Surr: Toluene-d8	96.2	0	81-120		%REC	1	8/30/2005 10:22:00 PM

Qualifiers:

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See Final Page of Report for MQLs and MDLs
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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:37:13 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/25/2005 3:37:13 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	13.3	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
Alkalinity, Total (As CaCO3)	13.3	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,4-Trimethylbenzene	5.04	1.5	5.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,3,5-Trimethylbenzene	1.5	1.5	5.00	J	µg/L	1	8/31/2005 4:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
Acetone	5.8	5.0	15.0	J	µg/L	1	8/31/2005 4:22:00 AM
Benzene	0.65	0.20	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
cis-1,2-Dichloroethene	4.15	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Ethylbenzene	1.66	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 4:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
Isopropylbenzene	0.27	0.20	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
m,p-Xylene	4.14	0.60	2.00		µg/L	1	8/31/2005 4:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 4:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
n-Propylbenzene	0.44	0.30	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
Naphthalene	22.7	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
o-Xylene	2.63	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
p-Isopropyltoluene	0.59	0.30	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 4:22:00 AM
Toluene	1.4	0.60	2.00	J	µg/L	1	8/31/2005 4:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 4:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 4:22:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/31/2005 4:22:00 AM
Surr: 4-Bromofluorobenzene	94.7	0	76-119		%REC	1	8/31/2005 4:22:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	8/31/2005 4:22:00 AM
Surr: Toluene-d8	96.9	0	81-120		%REC	1	8/31/2005 4:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Methylnaphthalene	9.80	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 2:22:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Naphthalene	18.2	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Surr: 2,4,6-Tribromophenol	78.8	0	53-155		%REC	1	9/6/2005 2:22:00 PM
Surr: 2-Fluorobiphenyl	66.5	0	55-130		%REC	1	9/6/2005 2:22:00 PM
Surr: 2-Fluorophenol	37.3	0	25-120		%REC	1	9/6/2005 2:22:00 PM
Surr: 4-Terphenyl-d14	81.5	0	51-135		%REC	1	9/6/2005 2:22:00 PM
Surr: Nitrobenzene-d5	66.8	0	55-124		%REC	1	9/6/2005 2:22:00 PM
Surr: Phenol-d6	25.2	0	20-120		%REC	1	9/6/2005 2:22:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	2.90	0.012	0.0400		mg/L	40	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
Surr: o-Terphenyl	86.8	0	64-132		%REC	1	8/30/2005 6:41:59 PM
Surr: Octacosane	112	0	26-152		%REC	1	8/30/2005 6:41:59 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.394	0.050	0.100		mg/L	1	8/25/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	408	50	100		µg/L	1	8/29/2005 5:34:00 PM
Manganese	3.5	3.0	10.0	J	µg/L	1	8/29/2005 5:34:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.69	0.025	0.0250		mg/L	5	8/26/2005 1:38:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:51:13 PM
Sulfate	12.5	1.0	3.00		mg/L	1	8/25/2005 3:51:13 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1-Dichloroethane	0.32	0.20	1.00	J	µg/L	1	8/30/2005 11:58:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
cis-1,2-Dichloroethene	0.43	0.20	1.00	J	µg/L	1	8/30/2005 11:58:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 11:58:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 11:58:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Vinyl chloride	0.39	0.10	1.00	J	µg/L	1	8/30/2005 11:58:00 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	8/30/2005 11:58:00 PM
Surr: 4-Bromofluorobenzene	96.7	0	76-119		%REC	1	8/30/2005 11:58:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/30/2005 11:58:00 PM
Surr: Toluene-d8	96.9	0	81-120		%REC	1	8/30/2005 11:58:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 3:00:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Surr: 2,4,6-Tribromophenol	70.8	0	53-155		%REC	1	9/6/2005 3:00:00 PM
Surr: 2-Fluorobiphenyl	59.2	0	55-130		%REC	1	9/6/2005 3:00:00 PM
Surr: 2-Fluorophenol	35.5	0	25-120		%REC	1	9/6/2005 3:00:00 PM
Surr: 4-Terphenyl-d14	79.0	0	51-135		%REC	1	9/6/2005 3:00:00 PM
Surr: Nitrobenzene-d5	59.0	0	55-124		%REC	1	9/6/2005 3:00:00 PM
Surr: Phenol-d6	24.0	0	20-120		%REC	1	9/6/2005 3:00:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.926	0.012	0.0400		mg/L	40	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
Surr: o-Terphenyl	89.3	0	64-132		%REC	1	8/30/2005 7:07:15 PM
Surr: Octacosane	114	0	26-152		%REC	1	8/30/2005 7:07:15 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	1.57	0.25	0.500		mg/L	5	8/25/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1410	50	100		µg/L	1	8/29/2005 5:38:00 PM
Manganese	22.8	3.0	10.0		µg/L	1	8/29/2005 5:38:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.168	0.0050	0.00500		mg/L	1	8/26/2005 1:38:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:05:14 PM
Sulfate	18.7	1.0	3.00		mg/L	1	8/25/2005 4:05:14 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 12:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 12:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 12:22:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/31/2005 12:22:00 AM
Surr: 4-Bromofluorobenzene	95.1	0	76-119		%REC	1	8/31/2005 12:22:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/31/2005 12:22:00 AM
Surr: Toluene-d8	94.9	0	81-120		%REC	1	8/31/2005 12:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 3:39:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Surr: 2,4,6-Tribromophenol	78.5	0	53-155		%REC	1	9/6/2005 3:39:00 PM
Surr: 2-Fluorobiphenyl	77.8	0	55-130		%REC	1	9/6/2005 3:39:00 PM
Surr: 2-Fluorophenol	43.5	0	25-120		%REC	1	9/6/2005 3:39:00 PM
Surr: 4-Terphenyl-d14	90.8	0	51-135		%REC	1	9/6/2005 3:39:00 PM
Surr: Nitrobenzene-d5	77.8	0	55-124		%REC	1	9/6/2005 3:39:00 PM
Surr: Phenol-d6	28.3	0	20-120		%REC	1	9/6/2005 3:39:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.0376	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
Surr: o-Terphenyl	88.9	0	64-132		%REC	1	8/30/2005 7:32:27 PM
Surr: Octacosane	114	0	26-152		%REC	1	8/30/2005 7:32:27 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.630	0.25	0.500		mg/L	5	8/25/2005 1:28:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	514	50	100		µg/L	1	8/29/2005 5:43:00 PM
Manganese	9.2	3.0	10.0	J	µg/L	1	8/29/2005 5:43:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0631	0.0050	0.00500		mg/L	1	8/26/2005 1:38:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:19:14 PM
Sulfate	18.3	1.0	3.00		mg/L	1	8/25/2005 4:19:14 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1-Dichloroethene	0.47	0.20	1.00	J	µg/L	1	8/31/2005 12:46:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM

Qualifiers:

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 12:46:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 12:46:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 12:46:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 12:46:00 AM
Surr: 4-Bromofluorobenzene	96.0	0	76-119		%REC	1	8/31/2005 12:46:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 12:46:00 AM
Surr: Toluene-d8	95.2	0	81-120		%REC	1	8/31/2005 12:46:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 4:21:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Surr: 2,4,6-Tribromophenol	70.2	0	53-155		%REC	1	9/6/2005 4:21:00 PM
Surr: 2-Fluorobiphenyl	69.8	0	55-130		%REC	1	9/6/2005 4:21:00 PM
Surr: 2-Fluorophenol	41.2	0	25-120		%REC	1	9/6/2005 4:21:00 PM
Surr: 4-Terphenyl-d14	81.8	0	51-135		%REC	1	9/6/2005 4:21:00 PM
Surr: Nitrobenzene-d5	71.0	0	55-124		%REC	1	9/6/2005 4:21:00 PM
Surr: Phenol-d6	26.5	0	20-120		%REC	1	9/6/2005 4:21:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.0360	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
Surr: o-Terphenyl	90.1	0	64-132		%REC	1	8/30/2005 7:07:15 PM
Surr: Octacosane	114	0	26-152		%REC	1	8/30/2005 7:07:15 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	1.25	0.50	1.00		mg/L	10	8/25/2005 1:18:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1080	50	100		µg/L	1	8/29/2005 5:47:00 PM
Manganese	16.8	3.0	10.0		µg/L	1	8/29/2005 5:47:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0254	0.0050	0.00500		mg/L	1	8/26/2005 1:51:00 PM

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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs

S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:33:14 PM
Sulfate	6.31	1.0	3.00		mg/L	1	8/25/2005 4:33:14 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	63.0	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
Alkalinity, Total (As CaCO3)	63.0	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 1:10:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 1:10:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 1:10:00 AM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	8/31/2005 1:10:00 AM
Surr: 4-Bromofluorobenzene	91.0	0	76-119		%REC	1	8/31/2005 1:10:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/31/2005 1:10:00 AM
Surr: Toluene-d8	93.7	0	81-120		%REC	1	8/31/2005 1:10:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 5:04:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Surr: 2,4,6-Tribromophenol	73.2	0	53-155		%REC	1	9/6/2005 5:04:00 PM
Surr: 2-Fluorobiphenyl	74.0	0	55-130		%REC	1	9/6/2005 5:04:00 PM
Surr: 2-Fluorophenol	43.2	0	25-120		%REC	1	9/6/2005 5:04:00 PM
Surr: 4-Terphenyl-d14	92.5	0	51-135		%REC	1	9/6/2005 5:04:00 PM
Surr: Nitrobenzene-d5	73.8	0	55-124		%REC	1	9/6/2005 5:04:00 PM
Surr: Phenol-d6	29.0	0	20-120		%REC	1	9/6/2005 5:04:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.191	0.0030	0.0100		mg/L	10	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
Surr: o-Terphenyl	89.1	0	64-132		%REC	1	8/30/2005 7:32:27 PM
Surr: Octacosane	112	0	26-152		%REC	1	8/30/2005 7:32:27 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	1.06	0.50	1.00		mg/L	10	8/25/2005 1:18:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	920	50	100		µg/L	1	8/29/2005 5:51:00 PM
Manganese	21.3	3.0	10.0		µg/L	1	8/29/2005 5:51:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:51:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:47:15 PM
Sulfate	4.06	1.0	3.00		mg/L	1	8/25/2005 4:47:15 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	48.8	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
Alkalinity, Total (As CaCO3)	48.8	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 1:33:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 1:33:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 1:33:00 AM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	8/31/2005 1:33:00 AM
Surr: 4-Bromofluorobenzene	95.7	0	76-119		%REC	1	8/31/2005 1:33:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 1:33:00 AM
Surr: Toluene-d8	96.5	0	81-120		%REC	1	8/31/2005 1:33:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 5:43:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Surr: 2,4,6-Tribromophenol	73.0	0	53-155		%REC	1	9/6/2005 5:43:00 PM
Surr: 2-Fluorobiphenyl	76.5	0	55-130		%REC	1	9/6/2005 5:43:00 PM
Surr: 2-Fluorophenol	40.8	0	25-120		%REC	1	9/6/2005 5:43:00 PM
Surr: 4-Terphenyl-d14	84.0	0	51-135		%REC	1	9/6/2005 5:43:00 PM
Surr: Nitrobenzene-d5	78.5	0	55-124		%REC	1	9/6/2005 5:43:00 PM
Surr: Phenol-d6	26.5	0	20-120		%REC	1	9/6/2005 5:43:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.364	0.0060	0.0200		mg/L	20	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:57:37 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:57:37 PM
Surr: o-Terphenyl	115	0	64-132		%REC	1	8/30/2005 7:57:37 PM
Surr: Octacosane	151	0	26-152		%REC	1	8/30/2005 7:57:37 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	8/25/2005 1:35:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	ND	50	100		µg/L	1	8/29/2005 5:55:00 PM
Manganese	3.4	3.0	10.0	J	µg/L	1	8/29/2005 5:55:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:51:00 PM

Qualifiers:

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GC15_050830A**

Sample ID: **CCV1-050830** Batch ID: **R23336** TestNo: **M8015D** Units: **mg/L**
SampType: **CCV** Run ID: **GC15_050830A** Analysis Date: **8/30/2005 4:25:50 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	538.7	1	500	0	108	85	115	0		
TPH-ORO >C28-C35	ND	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.24	0	20	0	116	64	132	0		
Surr: Octacosane	25.26	0	20	0	126	26	152	0		

Sample ID: **CCV2-050830** Batch ID: **R23336** TestNo: **M8015D** Units: **mg/L**
SampType: **CCV** Run ID: **GC15_050830A** Analysis Date: **8/30/2005 9:12:22 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	568.5	1	500	0	114	85	115	0		
TPH-ORO >C28-C35	1.474	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.76	0	20	0	119	64	132	0		
Surr: Octacosane	26.04	0	20	0	130	26	152	0		

Sample ID: **ICV-050830** Batch ID: **R23336** TestNo: **M8015D** Units: **mg/L**
SampType: **ICV** Run ID: **GC15_050830A** Analysis Date: **8/30/2005 2:02:02 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	896.2	1	1000	0	89.6	85	115	0		
TPH-ORO >C28-C35	0.8746	1	0	0	0	0	0	0		
Surr: o-Terphenyl	17.04	0	25	0	68.2	64	132	0		
Surr: Octacosane	14.9	0	25	0	59.6	26	152	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050830B

Sample ID: **MB-20073** Batch ID: **20073** TestNo: **M8015D** Units: **mg/L**
SampType: **MBLK** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 2:31:27 PM** Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	1								
TPH-ORO >C28-C35	ND	1								
Surr: o-Terphenyl	1.493	0	1.5	0	99.5	64	132	0		
Surr: Octacosane	1.877	0	1.5	0	125	26	152	0		

Sample ID: **LCS-20073** Batch ID: **20073** TestNo: **M8015D** Units: **mg/L**
SampType: **LCS** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 2:56:51 PM** Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	21.08	1	25	0	84.3	50	114	0		
Surr: o-Terphenyl	1.518	0	1.5	0	101	64	132	0		
Surr: Octacosane	1.761	0	1.5	0	117	26	152	0		

Sample ID: **LCSD-20073** Batch ID: **20073** TestNo: **M8015D** Units: **mg/L**
SampType: **LCSD** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 3:22:24 PM** Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	24.8	1	25	0	99.2	50	114	16.2	30	
Surr: o-Terphenyl	1.563	0	1.5	0	104	64	132	0	0	
Surr: Octacosane	1.754	0	1.5	0	117	26	152	0	0	

Sample ID: **CCV1-050830** Batch ID: **R23338** TestNo: **M8015D** Units: **mg/L**
SampType: **CCV** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 4:25:50 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	541.4	1	500	0	108	85	115	0		
TPH-ORO >C28-C35	0.8142	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.37	0	20	0	117	64	132	0		
Surr: Octacosane	25.11	0	20	0	126	26	152	0		

Sample ID: **CCV2-050830** Batch ID: **R23338** TestNo: **M8015D** Units: **mg/L**
SampType: **CCV** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 9:12:22 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	574.4	1	500	0	115	85	115	0		
TPH-ORO >C28-C35	1.329	1	0	0	0	0	0	0		
Surr: o-Terphenyl	24.97	0	20	0	125	64	132	0		
Surr: Octacosane	27.08	0	20	0	135	26	152	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_050830B

Sample ID: **ICV-050830**	Batch ID: **R23338**	TestNo: **M8015D**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC15_050830B**	Analysis Date: **8/30/2005 2:02:02 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	887	1	1000	0	88.7	85	115	0		
TPH-ORO >C28-C35	2.003	1	0	0	0	0	0	0		
Surr: o-Terphenyl	17.32	0	25	0	69.3	64	132	0		
Surr: Octacosane	14.51	0	25	0	58.1	26	152	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **ICP-MS_050829A**

Sample ID: **MB-20090** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **MBLK** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 3:59:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	100								
Manganese	ND	10								

Sample ID: **LCS-20090** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **LCS** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:20:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4741	100	5000	0	94.8	80	120	0		
Manganese	184.2	10	200	0	92.1	80	120	0		

Sample ID: **LCSD-20090** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **LCSD** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:24:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4583	100	5000	0	91.7	80	120	3.39	15	
Manganese	178.3	10	200	0	89.2	80	120	3.26	15	

Sample ID: **0508228-08A MS** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **MS** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:28:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	46170	100	5000	43590	51.6	80	120	0		S
Manganese	13010	10	200	13260	-125	80	120	0		S

Sample ID: **0508228-08A MSD** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **MSD** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:32:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	47260	100	5000	43590	73.4	80	120	2.33	15	S
Manganese	13110	10	200	13260	-75	80	120	0.766	15	S

Sample ID: **CCV1-050829** Batch ID: **R23326** TestNo: **SW6020** Units: **µg/L**
SampType: **CCV** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:49:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4714	100	5000	0	94.3	90	110	0		
Manganese	184.8	10	200	0	92.4	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **ICP-MS_050829A**

Sample ID: **CCV2-050829** Batch ID: **R23326** TestNo: **SW6020** Units: **µg/L**
SampType: **CCV** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 5:59:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4713	100	5000	0	94.3	90	110	0		
Manganese	183	10	200	0	91.5	90	110	0		

Sample ID: **ICV1-050829** Batch ID: **R23326** TestNo: **SW6020** Units: **µg/L**
SampType: **ICV** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 3:37:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	2538	100	2500	0	102	90	110	0		
Manganese	96.44	10	100	0	96.4	90	110	0		

Sample ID: **0508228-08A PDS** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **PDS** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:37:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	44860	100	5000	43590	25.4	75	125	0		S
Manganese	12580	10	200	13260	-340	75	125	0		S

Sample ID: **0508228-08A SD** Batch ID: **20090** TestNo: **SW6020** Units: **µg/L**
SampType: **SD** Run ID: **ICP-MS_050829A** Analysis Date: **8/29/2005 4:07:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	46020	500	0	43590	0	0	0	5.42	10	
Manganese	13540	50	0	13260	0	0	0	2.13	10	

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **MB-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 12:28:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4								
1,2-Dichlorobenzene	ND	4								
1,3-Dichlorobenzene	ND	4								
1,4-Dichlorobenzene	ND	4								
2,4,5-Trichlorophenol	ND	4								
2,4,6-Trichlorophenol	ND	4								
2,4-Dichlorophenol	ND	4								
2,4-Dimethylphenol	ND	4								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	4								
2,6-Dinitrotoluene	ND	4								
2-Chloronaphthalene	ND	4								
2-Chlorophenol	ND	4								
2-Methylnaphthalene	ND	4								
2-Methylphenol	ND	4								
2-Nitroaniline	ND	4								
2-Nitrophenol	ND	4								
3,3´-Dichlorobenzidine	ND	4								
3-Nitroaniline	ND	4								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl phenyl ether	ND	4								
4-Chloro-3-methylphenol	ND	4								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	4								
4-Methylphenol	ND	4								
4-Nitroaniline	ND	4								
4-Nitrophenol	ND	20								
Acenaphthene	ND	4								
Acenaphthylene	ND	4								
Aniline	ND	4								
Anthracene	ND	4								
Benzo[a]anthracene	ND	4								
Benzo[a]pyrene	ND	4								
Benzo[b]fluoranthene	ND	4								
Benzo[g,h,i]perylene	ND	4								
Benzo[k]fluoranthene	ND	4								
Benzoic acid	ND	10								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	4								
Bis(2-chloroethyl)ether	ND	4								
Bis(2-chloroisopropyl)ether	ND	4								
Bis(2-ethylhexyl)phthalate	ND	4								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **MB-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 12:28:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	10								
Carbazole	ND	4								
Chrysene	ND	4								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz[a,h]anthracene	ND	4								
Dibenzofuran	ND	4								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	4								
Fluorene	ND	4								
Hexachlorobenzene	ND	4								
Hexachlorobutadiene	ND	4								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	4								
Indeno[1,2,3-cd]pyrene	ND	4								
Isophorone	ND	4								
N-Nitrosodi-n-propylamine	ND	4								
N-Nitrosodiphenylamine	ND	4								
Naphthalene	ND	4								
Nitrobenzene	ND	4								
Pentachlorophenol	ND	4								
Phenanthrene	ND	4								
Phenol	ND	4								
Pyrene	ND	4								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	64.4	0	80	0	80.5	53	155	0		
Surr: 2-Fluorobiphenyl	66.8	0	80	0	83.5	55	130	0		
Surr: 2-Fluorophenol	39.8	0	80	0	49.8	25	120	0		
Surr: 4-Terphenyl-d14	84.4	0	80	0	106	51	135	0		
Surr: Nitrobenzene-d5	66.4	0	80	0	83	55	124	0		
Surr: Phenol-d6	27.6	0	80	0	34.5	20	120	0		

Sample ID: **LCS-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 10:35:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	27.6	4	40	0	69	37	120	0		
1,2-Dichlorobenzene	26.2	4	40	0	65.5	33	120	0		
1,3-Dichlorobenzene	26.4	4	40	0	66	32	120	0		
1,4-Dichlorobenzene	26.6	4	40	0	66.5	32	120	0		
2,4,5-Trichlorophenol	30.8	4	40	0	77	49	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **LCS-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 10:35:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	29.4	4	40	0	73.5	49	126	0		
2,4-Dichlorophenol	30.4	4	40	0	76	48	120	0		
2,4-Dimethylphenol	25.6	4	40	0	64	28	120	0		
2,4-Dinitrophenol	27.6	20	40	0	69	25	130	0		
2,4-Dinitrotoluene	32.8	4	40	0	82	51	120	0		
2,6-Dinitrotoluene	33.2	4	40	0	83	49	120	0		
2-Chloronaphthalene	30.8	4	40	0	77	49	120	0		
2-Chlorophenol	24.4	4	40	0	61	37	120	0		
2-Methylnaphthalene	31.2	4	40	0	78	45	105	0		
2-Methylphenol	24.6	4	40	0	61.5	38	120	0		
2-Nitroaniline	34	4	40	0	85	48	120	0		
2-Nitrophenol	28	4	40	0	70	39	123	0		
3,3´-Dichlorobenzidine	32.2	4	40	0	80.5	20	120	0		
3-Nitroaniline	32.4	4	40	0	81	20	126	0		
4,6-Dinitro-2-methylphenol	29.2	10	40	0	73	40	130	0		
4-Bromophenyl phenyl ether	33.2	4	40	0	83	52	120	0		
4-Chloro-3-methylphenol	31.8	4	40	0	79.5	47	120	0		
4-Chloroaniline	32.4	10	40	0	81	20	120	0		
4-Chlorophenyl phenyl ether	32.8	4	40	0	82	50	120	0		
4-Methylphenol	23	4	40	0	57.5	32	120	0		
4-Nitroaniline	31.4	4	40	0	78.5	36	120	0		
4-Nitrophenol	13.8	20	40	0	34.5	20	120	0		
Acenaphthene	31.6	4	40	0	79	45	110	0		
Acenaphthylene	31	4	40	0	77.5	60	150	0		
Aniline	26.6	4	40	0	66.5	10	140	0		
Anthracene	34.4	4	40	0	86	55	110	0		
Benzo[a]anthracene	35	4	40	0	87.5	55	110	0		
Benzo[a]pyrene	34.6	4	40	0	86.5	55	110	0		
Benzo[b]fluoranthene	34.8	4	40	0	87	45	120	0		
Benzo[g,h,i]perylene	34.2	4	40	0	85.5	38	123	0		
Benzo[k]fluoranthene	36.8	4	40	0	92	45	125	0		
Benzoic acid	7.4	10	40	0	18.5	20	120	0		S
Benzyl alcohol	24.2	10	40	0	60.5	30	120	0		
Bis(2-chloroethoxy)methane	32	4	40	0	80	46	120	0		
Bis(2-chloroethyl)ether	28	4	40	0	70	37	120	0		
Bis(2-chloroisopropyl)ether	27.8	4	40	0	69.5	26	131	0		
Bis(2-ethylhexyl)phthalate	34.6	4	40	0	86.5	42	126	0		
Butyl benzyl phthalate	35.4	10	40	0	88.5	46	120	0		
Carbazole	36	4	40	0	90	26	125	0		
Chrysene	35.2	4	40	0	88	55	110	0		
Di-n-butyl phthalate	37.8	10	40	0	94.5	54	120	0		
Di-n-octyl phthalate	34	10	40	0	85	37	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **LCS-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 10:35:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	34.4	4	40	0	86	42	127	0		
Dibenzofuran	32.4	4	40	0	81	54	120	0		
Diethyl phthalate	35.2	10	40	0	88	41	120	0		
Dimethyl phthalate	34.8	10	40	0	87	25	127	0		
Fluoranthene	36.8	4	40	0	92	55	115	0		
Fluorene	33	4	40	0	82.5	50	110	0		
Hexachlorobenzene	33	4	40	0	82.5	52	120	0		
Hexachlorobutadiene	27.6	4	40	0	69	27	120	0		
Hexachlorocyclopentadiene	23.2	10	40	0	58	27	125	0		
Hexachloroethane	25.4	4	40	0	63.5	28	120	0		
Indeno[1,2,3-cd]pyrene	34.2	4	40	0	85.5	45	125	0		
Isophorone	34	4	40	0	85	50	120	0		
N-Nitrosodi-n-propylamine	31.8	4	40	0	79.5	34	128	0		
N-Nitrosodiphenylamine	33.2	4	40	0	83	48	120	0		
Naphthalene	28.8	4	40	0	72	40	100	0		
Nitrobenzene	28.8	4	40	0	72	44	120	0		
Pentachlorophenol	30	4	40	0	75	38	120	0		
Phenanthrene	34.8	4	40	0	87	50	115	0		
Phenol	11	4	40	0	27.5	20	120	0		
Pyrene	35.4	4	40	0	88.5	50	130	0		
Pyridine	18	10	40	0	45	20	110	0		
Surr: 2,4,6-Tribromophenol	69	0	80	0	86.2	53	155	0		
Surr: 2-Fluorobiphenyl	64.6	0	80	0	80.8	55	130	0		
Surr: 2-Fluorophenol	30.8	0	80	0	38.5	25	120	0		
Surr: 4-Terphenyl-d14	79.6	0	80	0	99.5	51	135	0		
Surr: Nitrobenzene-d5	62.4	0	80	0	78	55	124	0		
Surr: Phenol-d6	22.6	0	80	0	28.3	20	120	0		

Sample ID: **LCSD-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **LCSD**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 11:13:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	29.2	4	40	0	73	37	120	5.63	20	
1,2-Dichlorobenzene	28.2	4	40	0	70.5	33	120	7.35	20	
1,3-Dichlorobenzene	27.8	4	40	0	69.5	32	120	5.17	20	
1,4-Dichlorobenzene	28.2	4	40	0	70.5	32	120	5.84	20	
2,4,5-Trichlorophenol	31.8	4	40	0	79.5	49	120	3.19	20	
2,4,6-Trichlorophenol	28.8	4	40	0	72	49	126	2.06	20	
2,4-Dichlorophenol	27.8	4	40	0	69.5	48	120	8.93	20	
2,4-Dimethylphenol	22.6	4	40	0	56.5	28	120	12.4	20	
2,4-Dinitrophenol	28.8	20	40	0	72	25	130	4.26	20	
2,4-Dinitrotoluene	33.2	4	40	0	83	51	120	1.21	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **LCSD-20101**	Batch ID: **20101**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **LCSD**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 11:13:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	33.6	4	40	0	84	49	120	1.20	20	
2-Chloronaphthalene	32	4	40	0	80	49	120	3.82	20	
2-Chlorophenol	26.2	4	40	0	65.5	37	120	7.11	20	
2-Methylnaphthalene	29.6	4	40	0	74	45	105	5.26	20	
2-Methylphenol	21.6	4	40	0	54	38	120	13.0	20	
2-Nitroaniline	34.6	4	40	0	86.5	48	120	1.75	20	
2-Nitrophenol	28.6	4	40	0	71.5	39	123	2.12	20	
3,3´-Dichlorobenzidine	32.8	4	40	0	82	20	120	1.85	20	
3-Nitroaniline	32.2	4	40	0	80.5	20	126	0.619	20	
4,6-Dinitro-2-methylphenol	29.6	10	40	0	74	40	130	1.36	20	
4-Bromophenyl phenyl ether	33.4	4	40	0	83.5	52	120	0.601	20	
4-Chloro-3-methylphenol	28	4	40	0	70	47	120	12.7	20	
4-Chloroaniline	29.6	10	40	0	74	20	120	9.03	20	
4-Chlorophenyl phenyl ether	33.4	4	40	0	83.5	50	120	1.81	20	
4-Methylphenol	21	4	40	0	52.5	32	120	9.09	20	
4-Nitroaniline	31.4	4	40	0	78.5	36	120	0	20	
4-Nitrophenol	13.6	20	40	0	34	20	120	1.46	20	
Acenaphthene	32.2	4	40	0	80.5	45	110	1.88	20	
Acenaphthylene	31.8	4	40	0	79.5	60	150	2.55	20	
Aniline	27.2	4	40	0	68	10	140	2.23	20	
Anthracene	34.8	4	40	0	87	55	110	1.16	20	
Benzo[a]anthracene	34.8	4	40	0	87	55	110	0.573	20	
Benzo[a]pyrene	34.2	4	40	0	85.5	55	110	1.16	20	
Benzo[b]fluoranthene	36	4	40	0	90	45	120	3.39	20	
Benzo[g,h,i]perylene	32.8	4	40	0	82	38	123	4.18	20	
Benzo[k]fluoranthene	34.6	4	40	0	86.5	45	125	6.16	20	
Benzoic acid	7.8	10	40	0	19.5	20	120	5.26	20	
Benzyl alcohol	21.2	10	40	0	53	30	120	13.2	20	
Bis(2-chloroethoxy)methane	31	4	40	0	77.5	46	120	3.17	20	
Bis(2-chloroethyl)ether	30.2	4	40	0	75.5	37	120	7.56	20	
Bis(2-chloroisopropyl)ether	30.6	4	40	0	76.5	26	131	9.59	20	
Bis(2-ethylhexyl)phthalate	35.2	4	40	0	88	42	126	1.72	20	
Butyl benzyl phthalate	34.8	10	40	0	87	46	120	1.71	20	
Carbazole	36.4	4	40	0	91	26	125	1.10	20	
Chrysene	35.2	4	40	0	88	55	110	0	20	
Di-n-butyl phthalate	38.2	10	40	0	95.5	54	120	1.05	20	
Di-n-octyl phthalate	34	10	40	0	85	37	137	0	20	
Dibenz[a,h]anthracene	33.4	4	40	0	83.5	42	127	2.95	20	
Dibenzofuran	32.8	4	40	0	82	54	120	1.23	20	
Diethyl phthalate	35.6	10	40	0	89	41	120	1.13	20	
Dimethyl phthalate	35	10	40	0	87.5	25	127	0.573	20	
Fluoranthene	37.6	4	40	0	94	55	115	2.15	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **LCSD-20101** Batch ID: **20101** TestNo: **SW8270C** Units: **µg/L**
SampType: **LCSD** Run ID: **GCMS3_050906A** Analysis Date: **9/6/2005 11:13:00 AM** Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluorene	33.4	4	40	0	83.5	50	110	1.20	20	
Hexachlorobenzene	33.6	4	40	0	84	52	120	1.80	20	
Hexachlorobutadiene	27.6	4	40	0	69	27	120	0	20	
Hexachlorocyclopentadiene	24	10	40	0	60	27	125	3.39	20	
Hexachloroethane	27.6	4	40	0	69	28	120	8.30	20	
Indeno[1,2,3-cd]pyrene	33.4	4	40	0	83.5	45	125	2.37	20	
Isophorone	31.2	4	40	0	78	50	120	8.59	20	
N-Nitrosodi-n-propylamine	31.4	4	40	0	78.5	34	128	1.27	20	
N-Nitrosodiphenylamine	33.6	4	40	0	84	48	120	1.20	20	
Naphthalene	29.8	4	40	0	74.5	40	100	3.41	20	
Nitrobenzene	30.8	4	40	0	77	44	120	6.71	20	
Pentachlorophenol	28.8	4	40	0	72	38	120	4.08	20	
Phenanthrene	35	4	40	0	87.5	50	115	0.573	20	
Phenol	11	4	40	0	27.5	20	120	0	20	
Pyrene	34.6	4	40	0	86.5	50	130	2.29	20	
Pyridine	17.4	10	40	0	43.5	20	110	3.39	20	
Surr: 2,4,6-Tribromophenol	66.6	0	80	0	83.2	53	155	0	0	
Surr: 2-Fluorobiphenyl	63.8	0	80	0	79.8	55	130	0	0	
Surr: 2-Fluorophenol	33.4	0	80	0	41.8	25	120	0	0	
Surr: 4-Terphenyl-d14	76.6	0	80	0	95.8	51	135	0	0	
Surr: Nitrobenzene-d5	64.8	0	80	0	81	55	124	0	0	
Surr: Phenol-d6	23	0	80	0	28.8	20	120	0	0	

Sample ID: **ICV-050906** Batch ID: **R23309** TestNo: **SW8270C** Units: **µg/L**
SampType: **ICV** Run ID: **GCMS3_050906A** Analysis Date: **9/6/2005 9:58:00 AM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3930	4	4000	0	98.2	80	120	0		
1,2-Dichlorobenzene	3760	4	4000	0	94	80	120	0		
1,3-Dichlorobenzene	3860	4	4000	0	96.5	80	120	0		
1,4-Dichlorobenzene	3870	4	4000	0	96.8	80	120	0		
2,4,5-Trichlorophenol	4260	4	4000	0	106	80	120	0		
2,4,6-Trichlorophenol	4250	4	4000	0	106	80	120	0		
2,4-Dichlorophenol	4250	4	4000	0	106	80	120	0		
2,4-Dimethylphenol	3840	4	4000	0	96	80	120	0		
2,4-Dinitrophenol	3880	20	4000	0	97	80	120	0		
2,4-Dinitrotoluene	3880	4	4000	0	97	80	120	0		
2,6-Dinitrotoluene	3900	4	4000	0	97.5	80	120	0		
2-Chloronaphthalene	3980	4	4000	0	99.5	80	120	0		
2-Chlorophenol	3800	4	4000	0	95	80	120	0		
2-Methylnaphthalene	4010	4	4000	0	100	80	120	0		
2-Methylphenol	4320	4	4000	0	108	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050906A

Sample ID: **ICV-050906**	Batch ID: **R23309**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **ICV**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 9:58:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Nitroaniline	4410	4	4000	0	110	80	120	0		
2-Nitrophenol	3770	4	4000	0	94.3	80	120	0		
3,3´-Dichlorobenzidine	4260	4	4000	0	106	70	130	0		
3-Nitroaniline	3820	4	4000	0	95.5	80	120	0		
4,6-Dinitro-2-methylphenol	3970	10	4000	0	99.2	70	130	0		
4-Bromophenyl phenyl ether	4200	4	4000	0	105	80	120	0		
4-Chloro-3-methylphenol	4200	4	4000	0	105	70	130	0		
4-Chloroaniline	4110	10	4000	0	103	80	120	0		
4-Chlorophenyl phenyl ether	4050	4	4000	0	101	80	120	0		
4-Methylphenol	4230	4	4000	0	106	80	120	0		
4-Nitroaniline	3770	4	4000	0	94.3	80	120	0		
4-Nitrophenol	3670	20	4000	0	91.8	60	140	0		
Acenaphthene	3890	4	4000	0	97.2	80	120	0		
Acenaphthylene	3930	4	4000	0	98.2	80	120	0		
Aniline	3830	4	4000	0	95.8	80	120	0		
Anthracene	3900	4	4000	0	97.5	80	120	0		
Benzo[a]anthracene	3960	4	4000	0	99	80	120	0		
Benzo[a]pyrene	4120	4	4000	0	103	80	120	0		
Benzo[b]fluoranthene	4220	4	4000	0	106	80	120	0		
Benzo[g,h,i]perylene	4160	4	4000	0	104	80	120	0		
Benzo[k]fluoranthene	4040	4	4000	0	101	80	120	0		
Benzoic acid	3770	10	4000	0	94.3	70	130	0		
Benzyl alcohol	4240	10	4000	0	106	70	130	0		
Bis(2-chloroethoxy)methane	4020	4	4000	0	101	80	120	0		
Bis(2-chloroethyl)ether	3790	4	4000	0	94.8	80	120	0		
Bis(2-chloroisopropyl)ether	3810	4	4000	0	95.2	80	120	0		
Bis(2-ethylhexyl)phthalate	4180	4	4000	0	104	80	120	0		
Butyl benzyl phthalate	4230	10	4000	0	106	80	120	0		
Carbazole	3990	4	4000	0	99.8	80	120	0		
Chrysene	4000	4	4000	0	100	80	120	0		
Di-n-butyl phthalate	3980	10	4000	0	99.5	80	120	0		
Di-n-octyl phthalate	4100	10	4000	0	103	80	120	0		
Dibenz[a,h]anthracene	4320	4	4000	0	108	80	120	0		
Dibenzofuran	3880	4	4000	0	97	80	120	0		
Diethyl phthalate	3820	10	4000	0	95.5	80	120	0		
Dimethyl phthalate	3840	10	4000	0	96	80	120	0		
Fluoranthene	4060	4	4000	0	102	80	120	0		
Fluorene	3880	4	4000	0	97	80	120	0		
Hexachlorobenzene	4260	4	4000	0	106	80	120	0		
Hexachlorobutadiene	4110	4	4000	0	103	80	120	0		
Hexachlorocyclopentadiene	3780	10	4000	0	94.5	70	130	0		
Hexachloroethane	3900	4	4000	0	97.5	80	120	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GCMS3_050906A**

Sample ID: **ICV-050906**	Batch ID: **R23309**	TestNo: **SW8270C**	Units: **µg/L**
SampType: **ICV**	Run ID: **GCMS3_050906A**	Analysis Date: **9/6/2005 9:58:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Indeno[1,2,3-cd]pyrene	4320	4	4000	0	108	80	120	0		
Isophorone	4090	4	4000	0	102	80	120	0		
N-Nitrosodi-n-propylamine	4220	4	4000	0	106	80	120	0		
N-Nitrosodiphenylamine	4060	4	4000	0	102	80	120	0		
Naphthalene	3810	4	4000	0	95.2	80	120	0		
Nitrobenzene	3790	4	4000	0	94.8	80	120	0		
Pentachlorophenol	3980	4	4000	0	99.5	80	120	0		
Phenanthrene	3890	4	4000	0	97.2	80	120	0		
Phenol	4030	4	4000	0	101	80	120	0		
Pyrene	4080	4	4000	0	102	80	120	0		
Pyridine	3800	10	4000	0	95	70	130	0		
Surr: 2,4,6-Tribromophenol	3920	0	4000	0	98	80	120	0		
Surr: 2-Fluorobiphenyl	3980	0	4000	0	99.5	80	120	0		
Surr: 2-Fluorophenol	3750	0	4000	0	93.8	80	120	0		
Surr: 4-Terphenyl-d14	4200	0	4000	0	105	80	120	0		
Surr: Nitrobenzene-d5	3850	0	4000	0	96.2	80	120	0		
Surr: Phenol-d6	4050	0	4000	0	101	80	120	0		

Qualifiers:
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CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **MB-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 9:58:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,1,2-Trichloroethane	ND	1								
1,1-Dichloroethane	ND	1								
1,1-Dichloroethene	ND	1								
1,1-Dichloropropene	ND	1								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	1								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	10								
1,2-Dibromoethane	ND	1								
1,2-Dichlorobenzene	ND	1								
1,2-Dichloroethane	ND	1								
1,2-Dichloropropane	ND	1								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	1								
1,3-Dichloropropane	ND	1								
1,4-Dichlorobenzene	ND	1								
2,2-Dichloropropane	ND	1								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	1								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	1								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	15								
Benzene	ND	1								
Bromobenzene	ND	1								
Bromochloromethane	ND	1								
Bromodichloromethane	ND	1								
Bromoform	ND	1								
Bromomethane	ND	1								
Carbon disulfide	ND	15								
Carbon tetrachloride	ND	1								
Chlorobenzene	ND	1								
Chloroethane	ND	1								
Chloroform	ND	1								
Chloromethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
cis-1,3-Dichloropropene	ND	1								

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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **MB-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **MBLK**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 9:58:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1								
Dibromomethane	ND	1								
Dichlorodifluoromethane	ND	1								
Ethylbenzene	ND	1								
Hexachlorobutadiene	ND	3								
Iodomethane	ND	15								
Isopropylbenzene	ND	1								
m,p-Xylene	ND	2								
Methyl tert-butyl ether	ND	1								
Methylene chloride	ND	2.5								
n-Butylbenzene	ND	1								
n-Propylbenzene	ND	1								
Naphthalene	ND	15								
o-Xylene	ND	1								
p-Isopropyltoluene	ND	1								
sec-Butylbenzene	ND	1								
Styrene	ND	1								
tert-Butylbenzene	ND	1								
Tetrachloroethene	ND	2								
Toluene	ND	2								
trans-1,2-Dichloroethene	ND	1								
trans-1,3-Dichloropropene	ND	1								
Trichloroethene	ND	2								
Trichlorofluoromethane	ND	1								
Vinyl chloride	ND	1								
Surr: 1,2-Dichloroethane-d4	51.62	0	50	0	103	72	119	0		
Surr: 4-Bromofluorobenzene	47.73	0	50	0	95.5	76	119	0		
Surr: Dibromofluoromethane	52.55	0	50	0	105	85	115	0		
Surr: Toluene-d8	47.56	0	50	0	95.1	81	120	0		

Sample ID: **LCS-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:33:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25.3	1	23.2	0	109	81	129	0		
1,1,1-Trichloroethane	24.72	1	23.2	0	107	67	132	0		
1,1,2,2-Tetrachloroethane	24.43	1	23.2	0	105	63	128	0		
1,1,2-Trichloroethane	24.5	1	23.2	0	106	75	125	0		
1,1-Dichloroethane	24.24	1	23.2	0	104	69	133	0		
1,1-Dichloroethene	23.88	1	23.2	0	103	68	130	0		
1,1-Dichloropropene	25.35	1	23.2	0	109	73	132	0		
1,2,3-Trichlorobenzene	26.35	5	23.2	0	114	67	137	0		

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CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **LCS-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:33:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	24.73	1	23.2	0	107	73	124	0		
1,2,4-Trichlorobenzene	25.45	5	23.2	0	110	66	134	0		
1,2,4-Trimethylbenzene	25.92	5	23.2	0	112	74	132	0		
1,2-Dibromo-3-chloropropane	23.76	10	23.2	0	102	50	132	0		
1,2-Dibromoethane	24.12	1	23.2	0	104	80	121	0		
1,2-Dichlorobenzene	23.68	1	23.2	0	102	75	125	0		
1,2-Dichloroethane	23.3	1	23.2	0	100	68	127	0		
1,2-Dichloropropane	24.89	1	23.2	0	107	75	125	0		
1,3,5-Trimethylbenzene	26.51	5	23.2	0	114	74	131	0		
1,3-Dichlorobenzene	24.58	1	23.2	0	106	75	124	0		
1,3-Dichloropropane	24.24	1	23.2	0	104	73	126	0		
1,4-Dichlorobenzene	24.98	1	23.2	0	108	74	123	0		
2,2-Dichloropropane	24.24	1	23.2	0	104	69	137	0		
2-Butanone	26.13	15	23.2	0	113	60	135	0		
2-Chloroethylvinylether	24.61	15	23.2	0	106	50	150	0		
2-Chlorotoluene	24.98	1	23.2	0	108	73	126	0		
2-Hexanone	24.22	15	23.2	0	104	50	150	0		
4-Chlorotoluene	25.13	1	23.2	0	108	74	128	0		
4-Methyl-2-pentanone	25.98	15	23.2	0	112	60	135	0		
Acetone	24.57	15	23.2	0	106	40	135	0		
Benzene	24.63	1	23.2	0	106	80	120	0		
Bromobenzene	23.77	1	23.2	0	102	76	124	0		
Bromochloromethane	24.3	1	23.2	0	105	65	129	0		
Bromodichloromethane	24.61	1	23.2	0	106	76	121	0		
Bromoform	25.64	1	23.2	0	111	69	128	0		
Bromomethane	23.87	1	23.2	0	103	53	141	0		
Carbon disulfide	23.7	15	23.2	0	102	50	150	0		
Carbon tetrachloride	24.07	1	23.2	0	104	66	138	0		
Chlorobenzene	24.5	1	23.2	0	106	81	122	0		
Chloroethane	23.66	1	23.2	0	102	58	133	0		
Chloroform	24.33	1	23.2	0	105	69	128	0		
Chloromethane	23.27	1	23.2	0	100	56	131	0		
cis-1,2-Dichloroethene	25.06	1	23.2	0	108	72	126	0		
cis-1,3-Dichloropropene	25.02	1	23.2	0	108	69	131	0		
Dibromochloromethane	23.99	1	23.2	0	103	66	133	0		
Dibromomethane	25.03	1	23.2	0	108	76	125	0		
Dichlorodifluoromethane	22.75	1	23.2	0	98.1	53	153	0		
Ethylbenzene	25.87	1	23.2	0	112	80	120	0		
Hexachlorobutadiene	24.54	3	23.2	0	106	67	131	0		
Iodomethane	21.48	15	23.2	0	92.6	50	150	0		
Isopropylbenzene	25.83	1	23.2	0	111	75	127	0		
m,p-Xylene	53.26	2	46.4	0	115	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **LCS-20103**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **LCS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:33:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	25.51	1	23.2	0	110	68	130	0		
Methylene chloride	24.35	2.5	23.2	0	105	63	137	0		
n-Butylbenzene	25.79	1	23.2	0	111	69	137	0		
n-Propylbenzene	25.6	1	23.2	0	110	72	129	0		
Naphthalene	25.86	15	23.2	0	111	54	138	0		
o-Xylene	25.36	1	23.2	0	109	80	120	0		
p-Isopropyltoluene	24.91	1	23.2	0	107	73	130	0		
sec-Butylbenzene	26.17	1	23.2	0	113	72	127	0		
Styrene	26.38	1	23.2	0	114	65	134	0		
tert-Butylbenzene	26.05	1	23.2	0	112	70	129	0		
Tetrachloroethene	24.44	2	23.2	0	105	66	128	0		
Toluene	24.6	2	23.2	0	106	80	120	0		
trans-1,2-Dichloroethene	24.64	1	23.2	0	106	63	137	0		
trans-1,3-Dichloropropene	26.24	1	23.2	0	113	59	135	0		
Trichloroethene	24.53	2	23.2	0	106	70	127	0		
Trichlorofluoromethane	22.36	1	23.2	0	96.4	57	129	0		
Vinyl chloride	23.41	1	23.2	0	101	50	134	0		
Surr: 1,2-Dichloroethane-d4	49.15	0	50	0	98.3	72	119	0		
Surr: 4-Bromofluorobenzene	47.96	0	50	0	95.9	76	119	0		
Surr: Dibromofluoromethane	50.77	0	50	0	102	85	115	0		
Surr: Toluene-d8	48.39	0	50	0	96.8	81	120	0		

Sample ID: **0508225-01B MS**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **MS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:10:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25.16	1	23.2	0	108	81	129	0		
1,1,1-Trichloroethane	24.33	1	23.2	0	105	67	132	0		
1,1,2,2-Tetrachloroethane	23.68	1	23.2	0	102	63	128	0		
1,1,2-Trichloroethane	24.08	1	23.2	0	104	75	125	0		
1,1-Dichloroethane	24.55	1	23.2	0	106	69	133	0		
1,1-Dichloroethene	23.67	1	23.2	0	102	68	130	0		
1,1-Dichloropropene	24.21	1	23.2	0	104	73	132	0		
1,2,3-Trichlorobenzene	22.14	5	23.2	0	95.4	67	137	0		
1,2,3-Trichloropropane	23.78	1	23.2	0	102	73	124	0		
1,2,4-Trichlorobenzene	22.17	5	23.2	0	95.6	66	134	0		
1,2,4-Trimethylbenzene	25	5	23.2	0	108	74	132	0		
1,2-Dibromo-3-chloropropane	21.08	10	23.2	0	90.9	50	132	0		
1,2-Dibromoethane	23.25	1	23.2	0	100	80	121	0		
1,2-Dichlorobenzene	23.11	1	23.2	0	99.6	75	125	0		
1,2-Dichloroethane	23.47	1	23.2	0	101	68	127	0		
1,2-Dichloropropane	24.7	1	23.2	0	106	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **0508225-01B MS**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **MS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:10:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	25.29	5	23.2	0	109	74	131	0		
1,3-Dichlorobenzene	23.34	1	23.2	0	101	75	124	0		
1,3-Dichloropropane	23.02	1	23.2	0	99.2	73	126	0		
1,4-Dichlorobenzene	23.34	1	23.2	0	101	74	123	0		
2,2-Dichloropropane	18.39	1	23.2	0	79.3	69	137	0		
2-Butanone	23.92	15	23.2	0	103	60	135	0		
2-Chlorotoluene	23.98	1	23.2	0	103	73	126	0		
2-Hexanone	21.99	15	23.2	0	94.8	50	150	0		
4-Chlorotoluene	23.49	1	23.2	0	101	74	128	0		
4-Methyl-2-pentanone	23.61	15	23.2	0	102	60	135	0		
Acetone	28.14	15	23.2	0	121	40	135	0		
Benzene	24.62	1	23.2	0	106	80	120	0		
Bromobenzene	23.11	1	23.2	0	99.6	76	124	0		
Bromochloromethane	24.07	1	23.2	0	104	65	129	0		
Bromodichloromethane	24.57	1	23.2	0	106	76	121	0		
Bromoform	24.24	1	23.2	0	104	69	128	0		
Bromomethane	16.39	1	23.2	0	70.6	53	141	0		
Carbon disulfide	23.29	15	23.2	0	100	50	150	0		
Carbon tetrachloride	24.15	1	23.2	0	104	66	138	0		
Chlorobenzene	23.96	1	23.2	0	103	81	122	0		
Chloroethane	25.84	1	23.2	0	111	58	133	0		
Chloroform	24.53	1	23.2	0	106	69	128	0		
Chloromethane	22.56	1	23.2	0	97.2	56	131	0		
cis-1,2-Dichloroethene	24.82	1	23.2	0	107	72	126	0		
cis-1,3-Dichloropropene	22.76	1	23.2	0	98.1	69	131	0		
Dibromochloromethane	23.32	1	23.2	0	101	66	133	0		
Dibromomethane	24.13	1	23.2	0	104	76	125	0		
Dichlorodifluoromethane	21.76	1	23.2	0	93.8	53	153	0		
Ethylbenzene	24.96	1	23.2	0	108	80	120	0		
Hexachlorobutadiene	20.57	3	23.2	0	88.7	67	131	0		
Iodomethane	18.84	15	23.2	0	81.2	50	150	0		
Isopropylbenzene	24.82	1	23.2	0	107	75	127	0		
m,p-Xylene	50.85	2	46.4	0	110	80	120	0		
Methyl tert-butyl ether	24.66	1	23.2	0	106	68	130	0		
Methylene chloride	24.35	2.5	23.2	0	105	63	137	0		
n-Butylbenzene	22	1	23.2	0	94.8	69	137	0		
n-Propylbenzene	23.55	1	23.2	0	102	72	129	0		
Naphthalene	24.15	15	23.2	0	104	54	138	0		
o-Xylene	24.68	1	23.2	0	106	80	120	0		
p-Isopropyltoluene	22.93	1	23.2	0	98.8	73	130	0		
sec-Butylbenzene	24.03	1	23.2	0	104	72	127	0		
Styrene	25.18	1	23.2	0	109	65	134	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **0508225-01B MS** Batch ID: **20103** TestNo: **SW8260B** Units: **µg/L**
SampType: **MS** Run ID: **GCMS5_050830A** Analysis Date: **8/31/2005 5:10:00 AM** Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
tert-Butylbenzene	24.73	1	23.2	0	107	70	129	0		
Tetrachloroethene	22.2	2	23.2	0	95.7	66	128	0		
Toluene	24.69	2	23.2	0	106	80	120	0		
trans-1,2-Dichloroethene	24.1	1	23.2	0	104	63	137	0		
trans-1,3-Dichloropropene	24.12	1	23.2	0	104	59	135	0		
Trichloroethene	24.1	2	23.2	0	104	70	127	0		
Trichlorofluoromethane	22.95	1	23.2	0	98.9	57	129	0		
Vinyl chloride	23.77	1	23.2	0	102	50	134	0		
Surr: 1,2-Dichloroethane-d4	49.8	0	50	0	99.6	72	119	0		
Surr: 4-Bromofluorobenzene	48.06	0	50	0	96.1	76	119	0		
Surr: Dibromofluoromethane	51.86	0	50	0	104	85	115	0		
Surr: Toluene-d8	48.1	0	50	0	96.2	81	120	0		

Sample ID: **0508225-01B MSD** Batch ID: **20103** TestNo: **SW8260B** Units: **µg/L**
SampType: **MSD** Run ID: **GCMS5_050830A** Analysis Date: **8/31/2005 5:34:00 AM** Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	24.66	1	23.2	0	106	81	129	2.01	20	
1,1,1-Trichloroethane	23.99	1	23.2	0	103	67	132	1.41	20	
1,1,2,2-Tetrachloroethane	22.54	1	23.2	0	97.2	63	128	4.93	20	
1,1,2-Trichloroethane	23.76	1	23.2	0	102	75	125	1.34	20	
1,1-Dichloroethane	23.41	1	23.2	0	101	69	133	4.75	20	
1,1-Dichloroethene	23.28	1	23.2	0	100	68	130	1.66	20	
1,1-Dichloropropene	23.64	1	23.2	0	102	73	132	2.38	20	
1,2,3-Trichlorobenzene	22.18	5	23.2	0	95.6	67	137	0.181	20	
1,2,3-Trichloropropane	22.59	1	23.2	0	97.4	73	124	5.13	20	
1,2,4-Trichlorobenzene	21.51	5	23.2	0	92.7	66	134	3.02	20	
1,2,4-Trimethylbenzene	23.77	5	23.2	0	102	74	132	5.04	20	
1,2-Dibromo-3-chloropropane	20.55	10	23.2	0	88.6	50	132	2.55	20	
1,2-Dibromoethane	22.74	1	23.2	0	98	80	121	2.22	20	
1,2-Dichlorobenzene	22.38	1	23.2	0	96.5	75	125	3.21	20	
1,2-Dichloroethane	22.82	1	23.2	0	98.4	68	127	2.81	20	
1,2-Dichloropropane	23.84	1	23.2	0	103	75	125	3.54	20	
1,3,5-Trimethylbenzene	24.64	5	23.2	0	106	74	131	2.60	20	
1,3-Dichlorobenzene	22.75	1	23.2	0	98.1	75	124	2.56	20	
1,3-Dichloropropane	23.03	1	23.2	0	99.3	73	126	0.0434	20	
1,4-Dichlorobenzene	22.78	1	23.2	0	98.2	74	123	2.43	20	
2,2-Dichloropropane	17.46	1	23.2	0	75.3	69	137	5.19	20	
2-Butanone	22.62	15	23.2	0	97.5	60	135	5.59	20	
2-Chlorotoluene	23.25	1	23.2	0	100	73	126	3.09	20	
2-Hexanone	21.15	15	23.2	0	91.2	50	150	3.89	20	
4-Chlorotoluene	22.86	1	23.2	0	98.5	74	128	2.72	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **0508225-01B MSD**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **MSD**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:34:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	22.55	15	23.2	0	97.2	60	135	4.59	20	
Acetone	26.95	15	23.2	0	116	40	135	4.32	20	
Benzene	24.09	1	23.2	0	104	80	120	2.18	20	
Bromobenzene	22.56	1	23.2	0	97.2	76	124	2.41	20	
Bromochloromethane	23.6	1	23.2	0	102	65	129	1.97	20	
Bromodichloromethane	23.8	1	23.2	0	103	76	121	3.18	20	
Bromoform	23.28	1	23.2	0	100	69	128	4.04	20	
Bromomethane	16.5	1	23.2	0	71.1	53	141	0.669	20	
Carbon disulfide	22.77	15	23.2	0	98.1	50	150	2.26	20	
Carbon tetrachloride	23.62	1	23.2	0	102	66	138	2.22	20	
Chlorobenzene	23.51	1	23.2	0	101	81	122	1.90	20	
Chloroethane	24.51	1	23.2	0	106	58	133	5.28	20	
Chloroform	23.82	1	23.2	0	103	69	128	2.94	20	
Chloromethane	21.09	1	23.2	0	90.9	56	131	6.74	20	
cis-1,2-Dichloroethene	24.21	1	23.2	0	104	72	126	2.49	20	
cis-1,3-Dichloropropene	22.57	1	23.2	0	97.3	69	131	0.838	20	
Dibromochloromethane	22.74	1	23.2	0	98	66	133	2.52	20	
Dibromomethane	23.67	1	23.2	0	102	76	125	1.92	20	
Dichlorodifluoromethane	20.51	1	23.2	0	88.4	53	153	5.91	20	
Ethylbenzene	24.7	1	23.2	0	106	80	120	1.05	20	
Hexachlorobutadiene	20.13	3	23.2	0	86.8	67	131	2.16	20	
Iodomethane	18.15	15	23.2	0	78.2	50	150	3.73	20	
Isopropylbenzene	24.81	1	23.2	0	107	75	127	0.0403	20	
m,p-Xylene	50.96	2	46.4	0	110	80	120	0.216	20	
Methyl tert-butyl ether	23.94	1	23.2	0	103	68	130	2.96	20	
Methylene chloride	23.84	2.5	23.2	0	103	63	137	2.12	20	
n-Butylbenzene	21.39	1	23.2	0	92.2	69	137	2.81	20	
n-Propylbenzene	23.31	1	23.2	0	100	72	129	1.02	20	
Naphthalene	22.37	15	23.2	0	96.4	54	138	7.65	20	
o-Xylene	24.39	1	23.2	0	105	80	120	1.18	20	
p-Isopropyltoluene	22.2	1	23.2	0	95.7	73	130	3.24	20	
sec-Butylbenzene	23.76	1	23.2	0	102	72	127	1.13	20	
Styrene	25.04	1	23.2	0	108	65	134	0.558	20	
tert-Butylbenzene	24.08	1	23.2	0	104	70	129	2.66	20	
Tetrachloroethene	21.67	2	23.2	0	93.4	66	128	2.42	20	
Toluene	24.14	2	23.2	0	104	80	120	2.25	20	
trans-1,2-Dichloroethene	23.52	1	23.2	0	101	63	137	2.44	20	
trans-1,3-Dichloropropene	23.75	1	23.2	0	102	59	135	1.55	20	
Trichloroethene	23.11	2	23.2	0	99.6	70	127	4.19	20	
Trichlorofluoromethane	21.9	1	23.2	0	94.4	57	129	4.68	20	
Vinyl chloride	23.15	1	23.2	0	99.8	50	134	2.64	20	
Surr: 1,2-Dichloroethane-d4	48.69	0	50	0	97.4	72	119	0	0	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **0508225-01B MSD**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **MSD**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:34:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47.65	0	50	0	95.3	76	119	0	0	
Surr: Dibromofluoromethane	51.45	0	50	0	103	85	115	0	0	
Surr: Toluene-d8	48.24	0	50	0	96.5	81	120	0	0	

Sample ID: **ICV-050830**	Batch ID: **R23342**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **ICV**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:00:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.76	1	46.4	0	98.6	80	120	0		
1,1,1-Trichloroethane	44.38	1	46.4	0	95.6	80	120	0		
1,1,2,2-Tetrachloroethane	45.97	1	46.4	0	99.1	80	120	0		
1,1,2-Trichloroethane	44.56	1	46.4	0	96	80	120	0		
1,1-Dichloroethane	44.14	1	46.4	0	95.1	80	120	0		
1,1-Dichloroethene	42.78	1	46.4	0	92.2	80	120	0		
1,1-Dichloropropene	46.46	1	46.4	0	100	80	120	0		
1,2,3-Trichlorobenzene	48.61	5	46.4	0	105	80	120	0		
1,2,3-Trichloropropane	45.03	1	46.4	0	97	80	120	0		
1,2,4-Trichlorobenzene	48.86	5	46.4	0	105	80	120	0		
1,2,4-Trimethylbenzene	49.89	5	46.4	0	108	80	120	0		
1,2-Dibromo-3-chloropropane	45.4	10	46.4	0	97.8	80	120	0		
1,2-Dibromoethane	46.06	1	46.4	0	99.3	80	120	0		
1,2-Dichlorobenzene	45.61	1	46.4	0	98.3	80	120	0		
1,2-Dichloroethane	41.37	1	46.4	0	89.2	80	120	0		
1,2-Dichloropropane	45.16	1	46.4	0	97.3	80	120	0		
1,3,5-Trimethylbenzene	49.95	5	46.4	0	108	80	120	0		
1,3-Dichlorobenzene	46.03	1	46.4	0	99.2	80	120	0		
1,3-Dichloropropane	45	1	46.4	0	97	80	120	0		
1,4-Dichlorobenzene	45.75	1	46.4	0	98.6	80	120	0		
2,2-Dichloropropane	45.61	1	46.4	0	98.3	80	120	0		
2-Butanone	48.78	15	46.4	0	105	80	120	0		
2-Chloroethylvinylether	46.28	15	46.4	0	99.7	80	120	0		
2-Chlorotoluene	47.09	1	46.4	0	101	80	120	0		
2-Hexanone	44.65	15	46.4	0	96.2	80	120	0		
4-Chlorotoluene	47.42	1	46.4	0	102	80	120	0		
4-Methyl-2-pentanone	49.34	15	46.4	0	106	80	120	0		
Acetone	46.38	15	46.4	0	100	80	120	0		
Benzene	44.71	1	46.4	0	96.4	80	120	0		
Bromobenzene	44.83	1	46.4	0	96.6	80	120	0		
Bromochloromethane	43.27	1	46.4	0	93.3	80	120	0		
Bromodichloromethane	44.53	1	46.4	0	96	80	120	0		
Bromoform	48.15	1	46.4	0	104	80	120	0		
Bromomethane	42.74	1	46.4	0	92.1	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID: **ICV-050830**	Batch ID: **R23342**	TestNo: **SW8260B**	Units: **µg/L**
SampType: **ICV**	Run ID: **GCMS5_050830A**	Analysis Date: **8/30/2005 7:00:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Carbon disulfide	42.48	15	46.4	0	91.6	80	120	0		
Carbon tetrachloride	44.98	1	46.4	0	96.9	80	120	0		
Chlorobenzene	44.86	1	46.4	0	96.7	80	120	0		
Chloroethane	47.17	1	46.4	0	102	80	120	0		
Chloroform	43.91	1	46.4	0	94.6	80	120	0		
Chloromethane	41.8	1	46.4	0	90.1	80	120	0		
cis-1,2-Dichloroethene	44.42	1	46.4	0	95.7	80	120	0		
cis-1,3-Dichloropropene	47.03	1	46.4	0	101	80	120	0		
Dibromochloromethane	45.63	1	46.4	0	98.3	80	120	0		
Dibromomethane	44.53	1	46.4	0	96	80	120	0		
Dichlorodifluoromethane	42.07	1	46.4	0	90.7	80	120	0		
Ethylbenzene	46.72	1	46.4	0	101	80	120	0		
Hexachlorobutadiene	49.27	3	46.4	0	106	80	120	0		
Iodomethane	41.46	15	46.4	0	89.4	80	120	0		
Isopropylbenzene	50.5	1	46.4	0	109	80	120	0		
m,p-Xylene	97.98	2	92.8	0	106	80	120	0		
Methyl tert-butyl ether	45.92	1	46.4	0	99	80	120	0		
Methylene chloride	46.34	2.5	46.4	0	99.9	80	120	0		
n-Butylbenzene	51.41	1	46.4	0	111	80	120	0		
n-Propylbenzene	48.14	1	46.4	0	104	80	120	0		
Naphthalene	45.7	15	46.4	0	98.5	80	120	0		
o-Xylene	49.27	1	46.4	0	106	80	120	0		
p-Isopropyltoluene	47.88	1	46.4	0	103	80	120	0		
sec-Butylbenzene	49.78	1	46.4	0	107	80	120	0		
Styrene	49.33	1	46.4	0	106	80	120	0		
tert-Butylbenzene	50.04	1	46.4	0	108	80	120	0		
Tetrachloroethene	45.78	2	46.4	0	98.7	80	120	0		
Toluene	44.53	2	46.4	0	96	80	120	0		
trans-1,2-Dichloroethene	44.99	1	46.4	0	97	80	120	0		
trans-1,3-Dichloropropene	46.93	1	46.4	0	101	80	120	0		
Trichloroethene	44.92	2	46.4	0	96.8	80	120	0		
Trichlorofluoromethane	39.86	1	46.4	0	85.9	80	120	0		
Vinyl chloride	43.33	1	46.4	0	93.4	80	120	0		
Surr: 1,2-Dichloroethane-d4	48.2	0	50	0	96.4	72	119	0		
Surr: 4-Bromofluorobenzene	49.8	0	50	0	99.6	76	119	0		
Surr: Dibromofluoromethane	49.6	0	50	0	99.2	85	115	0		
Surr: Toluene-d8	49.48	0	50	0	99	81	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050830A

Sample ID: **MB-050830A**	Batch ID: **DGAS_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID: **LCS-050830A**	Batch ID: **DGAS_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **LCS**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.005294	0.001	0.00546	0	97	79	117	0		
Ethane	0.01007	0.002	0.011	0	91.5	83	120	0		
Ethylene	0.01348	0.003	0.0141	0	95.6	84	113	0		

Sample ID: **LCSD-050830A**	Batch ID: **DGAS_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **LCSD**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.005119	0.001	0.00546	0	93.8	79	117	3.35	20	
Ethane	0.009696	0.002	0.011	0	88.1	83	120	3.78	20	
Ethylene	0.01353	0.003	0.0141	0	96	84	113	0.418	20	

Sample ID: **0508208-01G DUP**	Batch ID: **DGAS_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **DUP**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001	0	0	0	0	0	0	20	
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID: **CCV1-050830**	Batch ID: **GC5_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000244	0.001	0.000025	0	97.6	80	120	0		
Ethane	0.0000223	0.002	0.000025	0	89.2	80	120	0		
Ethylene	0.0000221	0.003	0.000025	0	88.4	80	120	0		

Sample ID: **CCV2-050830**	Batch ID: **GC5_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000226	0.001	0.000025	0	90.4	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GC5_050830A**

Sample ID: **CCV2-050830**	Batch ID: **GC5_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethane	0.0000208	0.002	0.000025	0	83.2	80	120	0		
Ethylene	0.0000233	0.003	0.000025	0	93.2	80	120	0		

Sample ID: **CCV3-050830**	Batch ID: **GC5_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000234	0.001	0.000025	0	93.6	80	120	0		

Sample ID: **ICV-050830**	Batch ID: **GC5_050830A**	TestNo: **RSKERR**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC5_050830A**	Analysis Date: **8/30/2005 2:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000462	0.001	0.00005	0	92.4	80	120	0		
Ethane	0.0000432	0.002	0.00005	0	86.4	80	120	0		
Ethylene	0.0000481	0.003	0.00005	0	96.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050825A

Sample ID: **MB-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC_050825A** Analysis Date: **8/25/2005 9:54:15 AM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	ND	0.5								
Sulfate	ND	3								

Sample ID: **LCS-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC_050825A** Analysis Date: **8/25/2005 10:08:15 AM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.184	0.5	5	0	104	90	110	0		
Sulfate	30.29	3	30	0	101	90	110	0		

Sample ID: **LCSD-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC_050825A** Analysis Date: **8/25/2005 10:22:15 AM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.204	0.5	5	0	104	90	110	0.372	20	
Sulfate	30.16	3	30	0	101	90	110	0.410	20	

Sample ID: **0508216-01A MS** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC_050825A** Analysis Date: **8/25/2005 11:34:12 AM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.721	0.5	5	0.5364	104	90	110	0		
Sulfate	41.78	3	30	11.52	101	90	110	0		

Sample ID: **0508225-09E MS** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC_050825A** Analysis Date: **8/25/2005 5:15:15 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.209	0.5	5	0	104	90	110	0		
Sulfate	32.55	3	30	2.436	100	90	110	0		

Sample ID: **0508216-01A MSD** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC_050825A** Analysis Date: **8/25/2005 11:48:13 AM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.838	0.5	5	0.5364	106	90	110	2.03	20	
Sulfate	42.3	3	30	11.52	103	90	110	1.25	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050825A

Sample ID: **0508225-09E MSD** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC_050825A** Analysis Date: **8/25/2005 5:29:14 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.562	0.5	5	0	111	90	110	6.55	20	S
Sulfate	34.45	3	30	2.436	107	90	110	5.67	20	

Sample ID: **CCV1-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **CCV** Run ID: **IC_050825A** Analysis Date: **8/25/2005 12:16:13 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.216	0.5	5	0	104	90	110	0		
Sulfate	30.33	3	30	0	101	90	110	0		

Sample ID: **CCV2-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **CCV** Run ID: **IC_050825A** Analysis Date: **8/25/2005 2:21:48 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.191	0.5	5	0	104	90	110	0		
Sulfate	30.01	3	30	0	100	90	110	0		

Sample ID: **CCV2-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **CCV** Run ID: **IC_050825A** Analysis Date: **8/25/2005 5:01:15 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.215	0.5	5	0	104	90	110	0		
Sulfate	29.97	3	30	0	99.9	90	110	0		

Sample ID: **CCV3-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **CCV** Run ID: **IC_050825A** Analysis Date: **8/25/2005 5:43:14 PM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.24	0.5	5	0	105	90	110	0		
Sulfate	30.28	3	30	0	101	90	110	0		

Sample ID: **ICV-050825** Batch ID: **R23281** TestNo: **E300** Units: **mg/L**
SampType: **ICV** Run ID: **IC_050825A** Analysis Date: **8/25/2005 9:24:43 AM** Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	13.23	0.5	12.5	0	106	90	110	0		
Sulfate	77.7	3	75	0	104	90	110	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **TITRATOR_050829A**

Sample ID: **LCS-050829** Batch ID: **R23313** TestNo: **E310.1** Units: **mg/L**
SampType: **LCS** Run ID: **TITRATOR_050829A** Analysis Date: **8/29/2005 9:21:00 AM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	50.48	10	50	0	101	74	129	0		

Sample ID: **0508208-02E DUP** Batch ID: **R23313** TestNo: **E310.1** Units: **mg/L**
SampType: **DUP** Run ID: **TITRATOR_050829A** Analysis Date: **8/29/2005 9:30:00 AM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	ND	10	0	0	0	0	0	0	20	

Sample ID: **0508225-09E DUP** Batch ID: **R23313** TestNo: **E310.1** Units: **mg/L**
SampType: **DUP** Run ID: **TITRATOR_050829A** Analysis Date: **8/29/2005 11:11:00 AM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	49.11	10	0	48.77	0	0	0	0.694	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	49.11	10	0	48.77	0	0	0	0.694	20	

Sample ID: **CCV1-050829** Batch ID: **R23313** TestNo: **E310.1** Units: **mg/L**
SampType: **CCV** Run ID: **TITRATOR_050829A** Analysis Date: **8/29/2005 10:06:00 AM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	20.72	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	78.4	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	99.12	10	100	0	99.1	90	110	0		

Sample ID: **CCV2-050829** Batch ID: **R23313** TestNo: **E310.1** Units: **mg/L**
SampType: **CCV** Run ID: **TITRATOR_050829A** Analysis Date: **8/29/2005 10:54:00 AM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	19.6	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	79.04	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	98.64	10	100	0	98.6	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **TITRATOR_050829A**

Sample ID: **CCV3-050829**	Batch ID: **R23313**	TestNo: **E310.1**	Units: **mg/L**
SampType: **CCV**	Run ID: **TITRATOR_050829A**	Analysis Date: **8/29/2005 11:17:00 AM**	Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	18.24	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	80.32	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	98.56	10	100	0	98.6	90	110	0		

Sample ID: **ICV-050829**	Batch ID: **R23313**	TestNo: **E310.1**	Units: **mg/L**
SampType: **ICV**	Run ID: **TITRATOR_050829A**	Analysis Date: **8/29/2005 9:07:00 AM**	Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	17.68	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	82.08	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	99.76	10	100	0	99.8	98	102	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050825A

Sample ID: **MB-20068**	Batch ID: **20068**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 10:19:00 AM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.1								

Sample ID: **LCS-20068**	Batch ID: **20068**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 10:19:00 AM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09609	0.1	0.1	0	96.1	85	115	0		

Sample ID: **LCSD-20068**	Batch ID: **20068**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **LCSD**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 10:19:00 AM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09784	0.1	0.1	0	97.8	85	115	1.80	15	

Sample ID: **0508208-01H MS**	Batch ID: **20068**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 10:40:00 AM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1194	0.1	0.1	0.00675	113	85	115	0		

Sample ID: **0508208-01H MSD**	Batch ID: **20068**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 10:40:00 AM**	Prep Date: **8/25/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1104	0.1	0.1	0.00675	104	85	115	7.82	15	

Sample ID: **CCV1-050825**	Batch ID: **Ferrous-08/25/05**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **CCV**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 10:40:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1976	0.1	0.2	0	98.8	85	115	0		

Sample ID: **CCV2-050825**	Batch ID: **Ferrous-08/25/05**	TestNo: **M3500-Fe**	Units: **mg/L**
SampType: **CCV**	Run ID: **UV/VIS_2_050825A**	Analysis Date: **8/25/2005 1:35:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.2012	0.1	0.2	0	101	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **UV/VIS_2_050825A**

Sample ID: **ICV-050825**	Batch ID:	**Ferrous-08/25/05**	TestNo:	**M3500-Fe**		Units:	**mg/L**
SampType: **ICV**	Run ID:	**UV/VIS_2_050825A**	Analysis Date:	**8/25/2005 10:11:00 AM**		Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1011	0.1	0.1	0	101	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050826A

Sample ID: **MB-20083**	Batch ID: **20083**	TestNo: **E376.2**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 12:56:00 PM**	Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	ND	0.005								

Sample ID: **LCS-20083**	Batch ID: **20083**	TestNo: **E376.2**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 12:56:00 PM**	Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.134	0.005	0.15	0	89.3	80	120	0		

Sample ID: **LCSD-20083**	Batch ID: **20083**	TestNo: **E376.2**	Units: **mg/L**
SampType: **LCSD**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 12:58:00 PM**	Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1337	0.005	0.15	0	89.2	80	120	0.179	20	

Sample ID: **0508208-01F MS**	Batch ID: **20083**	TestNo: **E376.2**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 1:08:00 PM**	Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1297	0.005	0.15	0	86.4	50	111	0		

Sample ID: **0508208-01F MSD**	Batch ID: **20083**	TestNo: **E376.2**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 1:10:00 PM**	Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1298	0.005	0.15	0	86.6	50	111	0.146	30	

Sample ID: **CCV1-050826**	Batch ID: **R23299**	TestNo: **E376.2**	Units: **mg/L**
SampType: **CCV**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 1:23:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2738	0.005	0.3	0	91.3	80	120	0		

Sample ID: **CCV2-050826**	Batch ID: **R23299**	TestNo: **E376.2**	Units: **mg/L**
SampType: **CCV**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 2:23:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2729	0.005	0.3	0	91	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050826A

Sample ID: **CCV3-050826**	Batch ID: **R23299**	TestNo: **E376.2**	Units: **mg/L**
SampType: **CCV**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 2:34:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2533	0.005	0.3	0	84.4	80	120	0		

Sample ID: **ICV-050826**	Batch ID: **R23299**	TestNo: **E376.2**	Units: **mg/L**
SampType: **ICV**	Run ID: **UV/VIS_2_050826A**	Analysis Date: **8/26/2005 11:48:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1667	0.005	0.15	0	111	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

MQL SUMMARY REPORT

TestNo: E300	MDL	MQL
Analyte	**mg/L**	**mg/L**
Nitrate-N	0.1	0.5
Sulfate	1	3

TestNo: SW8260B	MDL	MQL
Analyte	**µg/L**	**µg/L**
1,1,1,2-Tetrachloroethane	0.2	1
1,1,1-Trichloroethane	0.2	1
1,1,2,2-Tetrachloroethane	0.2	1
1,1,2-Trichloroethane	0.2	1
1,1-Dichloroethane	0.2	1
1,1-Dichloroethene	0.2	1
1,1-Dichloropropene	0.2	1
1,2,3-Trichlorobenzene	1.5	5
1,2,3-Trichloropropane	0.3	1
1,2,4-Trichlorobenzene	1.5	5
1,2,4-Trimethylbenzene	1.5	5
1,2-Dibromo-3-chloropropane	3	10
1,2-Dibromoethane	0.2	1
1,2-Dichlorobenzene	0.3	1
1,2-Dichloroethane	0.3	1
1,2-Dichloropropane	0.2	1
1,3,5-Trimethylbenzene	1.5	5
1,3-Dichlorobenzene	0.3	1
1,3-Dichloropropane	0.2	1
1,4-Dichlorobenzene	0.3	1
2,2-Dichloropropane	0.2	1
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	0.3	1
2-Hexanone	5	15
4-Chlorotoluene	0.3	1
4-Methyl-2-pentanone	5	15
Acetone	5	15
Benzene	0.2	1
Bromobenzene	0.2	1
Bromochloromethane	0.2	1
Bromodichloromethane	0.2	1
Bromoform	0.2	1
Bromomethane	0.3	1
Carbon disulfide	5	15
Carbon tetrachloride	0.2	1
Chlorobenzene	0.2	1
Chloroethane	0.3	1
Chloroform	0.3	1
Chloromethane	0.3	1
cis-1,2-Dichloroethene	0.2	1
cis-1,3-Dichloropropene	0.2	1
Dibromochloromethane	0.2	1
Dibromomethane	0.2	1
Dichlorodifluoromethane	0.2	1

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

CLIENT: Battelle
Work Order: 0508225
Project: Gulfport

MQL SUMMARY REPORT

Ethylbenzene	0.3	1
Hexachlorobutadiene	1	3
Iodomethane	5	15
Isopropylbenzene	0.2	1
m,p-Xylene	0.6	2
Methyl tert-butyl ether	0.3	1
Methylene chloride	2.5	2.5
n-Butylbenzene	0.3	1
n-Propylbenzene	0.3	1
Naphthalene	5	15
o-Xylene	0.3	1
p-Isopropyltoluene	0.3	1
sec-Butylbenzene	0.3	1
Styrene	0.2	1
tert-Butylbenzene	0.3	1
Tetrachloroethene	0.6	2
Toluene	0.6	2
trans-1,2-Dichloroethene	0.2	1
trans-1,3-Dichloropropene	0.2	1
Trichloroethene	0.6	2
Trichlorofluoromethane	0.2	1
Vinyl chloride	0.1	1

TestNo: SW8270C	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
1,2,4-Trichlorobenzene	1	4
1,2-Dichlorobenzene	1	4
1,3-Dichlorobenzene	1	4
1,4-Dichlorobenzene	1	4
2,4,5-Trichlorophenol	1	4
2,4,6-Trichlorophenol	1	4
2,4-Dichlorophenol	1	4
2,4-Dimethylphenol	2	4
2,4-Dinitrophenol	1	20
2,4-Dinitrotoluene	1	4
2,6-Dinitrotoluene	1	4
2-Chloronaphthalene	1	4
2-Chlorophenol	1	4
2-Methylnaphthalene	1	4
2-Methylphenol	1	4
2-Nitroaniline	1	4
2-Nitrophenol	2	4
3,3´-Dichlorobenzidine	2	4
3-Nitroaniline	1	4
4,6-Dinitro-2-methylphenol	1	10
4-Bromophenyl phenyl ether	1	4
4-Chloro-3-methylphenol	1	4
4-Chloroaniline	1	10
4-Chlorophenyl phenyl ether	1	4
4-Methylphenol	1	4
4-Nitroaniline	2	4
4-Nitrophenol	2	20
Acenaphthene	1	4
Acenaphthylene	1	4
Aniline	1	4
Anthracene	1	4
Benzo[a]anthracene	1	4
Benzo[a]pyrene	1	4
Benzo[b]fluoranthene	1	4
Benzo[g,h,i]perylene	2	4
Benzo[k]fluoranthene	1	4
Benzoic acid	4	10
Benzyl alcohol	1	10
Bis(2-chloroethoxy)methane	1	4
Bis(2-chloroethyl)ether	1	4
Bis(2-chloroisopropyl)ether	1	4
Bis(2-ethylhexyl)phthalate	2	4
Butyl benzyl phthalate	4	10
Carbazole	1	4
Chrysene	1	4
Di-n-butyl phthalate	4	10

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	4	10
Dibenz[a,h]anthracene	1	4
Dibenzofuran	1	4
Diethyl phthalate	4	10
Dimethyl phthalate	4	10
Fluoranthene	1	4
Fluorene	1	4
Hexachlorobenzene	1	4
Hexachlorobutadiene	1	4
Hexachlorocyclopentadiene	2	10
Hexachloroethane	1	4
Indeno[1,2,3-cd]pyrene	1	4
Isophorone	1	4
N-Nitrosodi-n-propylamine	1	4
N-Nitrosodiphenylamine	1	4
Naphthalene	1	4
Nitrobenzene	2	4
Pentachlorophenol	2	4
Phenanthrene	1	4
Phenol	2	4
Pyrene	1	4
Pyridine	4	10

TestNo: RSKERR	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Methane	0.0003	0.001
Ethane	0.0006	0.002
Ethylene	0.001	0.003

TestNo: M8015D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
TPH-DRO C10-C28	0.6	1
TPH-ORO >C28-C35	0.6	1

TestNo: M3500-Fe	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Iron, Ferrous	0.05	0.1

TestNo: E376.2	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Sulfide	0.005	0.005

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

DHL ANALYTICAL

September 10, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0508237

Dear Lydia Cumming:

DHL Analytical received 6 samples on 8/26/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

DHL ANALYTICAL

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September 10, 2005

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 24674

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE, COLUMBUS, OH 43201
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMING
ADDITIONAL REPORT COPIES TO: LDC, INC

DATE: 8-25-05 PAGE 1 OF 1
PO #: 200549 DHL WORK ORDER #: 0508237
PROJECT LOCATION OR NAME: GULFPORT
CLIENT PROJECT #: 6486352-03 COLLECTOR: LC/EB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	VOC 8260 ☒	SVOC 8270 ☒ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☒ MNE	LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☒	SULFATE / NITRATE	SULFIDE	H2S	FERROUS IRON	FIELD NOTES
GPT-6-5	01	8-25-05	810	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓		LEVEL 4
GPT-6-4	02	8-25-05	900	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓		LEVEL 3
GPT-6-4DUP	03	8-25-05	900	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓		LEVEL 3
GPT-6-1	04	8-25-05	1015	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓		LEVEL 3
GPT-6-8	05	8-25-05	1115	W		14	✓	✓	✓	✓	✓				✓	✓	✓				✓						✓	✓	✓	✓	✓		LEVEL 3
TRIP BLANK	06	8-25-05	NA	W		2										✓																		LOT# 050817
TOTAL						72									5	6	5				5						5	5	5	5	5			

SEND QA/QC DATA PACKAGE TO LDC, INC

RELINQUISHED BY: (Signature) Enrique Baker DATE/TIME 8/25/05 1400 RECEIVED BY: (Signature) FEDEX
RELINQUISHED BY: (Signature) FEDEX DATE/TIME 8-26-05 0830 RECEIVED BY: (Signature) [illegible]
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: 4.9 4-5°C THERM #: 92
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # FEDEX
☐ APC DELIVERY
☐ HAND DELIVERED

From

Date 8/25/05 Sender's FedEx Account Number 04320127-1

Sender's Name LYDIA CUMMING Phone 614 4247778

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201

Your Internal Billing Reference

To

Recipient's Name SAMPLE RECEIVING Phone 512 3888222

Company DHL ANALYTICAL

Recipient's Address 2300 DOUBLE CREEK DR.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City ROUND ROCK State TX ZIP 78664

8540 9702 3061

4a Express Package Service To add SATURDAY Delivery, see Section 6. *Packages up to 150 lbs.* * To most locations.

1 [X] FedEx Priority Overnight Next business morning.* 5 [ ] FedEx Standard Overnight Next business afternoon.* 6 [ ] FedEx First Overnight Earliest next business morning delivery to select locations.*

3 [ ] FedEx 2Day Second business day.* 20 [ ] FedEx Express Saver Third business day.*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service To add SATURDAY Delivery, see Section 6. *Packages over 150 lbs.* ** To most locations.

7 [ ] FedEx 1Day Freight* Next business day.** 8 [ ] FedEx 2Day Freight Second business day.** 83 [ ] FedEx 3Day Freight Third business day.**

* Call for Confirmation:

5 Packaging * Declared value limit $500.

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

6 Special Handling Include FedEx address in Section 3.

3 [ ] SATURDAY DELIVERY 1 [ ] HOLD Weekday at FedEx Location Not available for FedEx First Overnight. 31 [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[X] No 4 [ ] Yes As per attached Shipper's Declaration. [ ] Yes Shipper's Declaration not required. 6 [ ] Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [X] Sender Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†	Total Charges
3	144	$ .00	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[ ] No Signature Required Package may be left without obtaining a signature for delivery. 10 [ ] Direct Signature Anyone at recipient's address may sign for delivery. *Fee applies.* 34 [ ] Indirect Signature If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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FedEx US Airbill Express 8540 9702 3061 0200 Form ID No. FedEx Copy

From

Date 8/25/05 Sender's FedEx Account Number 04320127-1

Sender's Name LYDIA CUMMING Phone 614 4247778

Company BATTELLE

Address 505 KING AVE

Dept./Floor/Suite/Room

City COLUMBUS State OH ZIP 43201

Your Internal Billing Reference

To

Recipient's Name SAMPLE RECEIVING Phone 512 3888222

Company DHL ANALYTICAL

Recipient's Address 2300 DOUBLE CREEK DR.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City ROUND ROCK State TX ZIP 78664

8540 9702 3061

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3 [ ] FedEx 2Day Second business day.* 20 [ ] FedEx Express Saver Third business day.*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service To add SATURDAY Delivery, see Section 6. *Packages over 150 lbs.* ** To most locations.

7 [ ] FedEx 1Day Freight* Next business day.** 8 [ ] FedEx 2Day Freight Second business day.** 83 [ ] FedEx 3Day Freight Third business day.**

* Call for Confirmation:

5 Packaging * Declared value limit $500.

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

6 Special Handling Include FedEx address in Section 3.

3 [ ] SATURDAY DELIVERY 1 [ ] HOLD Weekday at FedEx Location Not available for FedEx First Overnight. 31 [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[X] No 4 [ ] Yes As per attached Shipper's Declaration. [ ] Yes Shipper's Declaration not required. 6 [ ] Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

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7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [X] Sender Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†	Total Charges
3	144	$ .00	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[ ] No Signature Required Package may be left without obtaining a signature for delivery. 10 [ ] Direct Signature Anyone at recipient's address may sign for delivery. *Fee applies.* 34 [ ] Indirect Signature If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

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DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** | Date Received: **8/26/05**

Work Order Number **0508237** | Received by MLW

Checklist completed by [signature] 8.26.5 (Signature / Date) | Reviewed by MW 8/26/05 (Initials / Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon recipt?	Yes ☑	No ☐	NotApplicable ☐

Adjusted? Na Checked by MW

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action Taken: _____

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By me signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Scott Schroeder – Project Manager
Michelle Green – QA Manager
John DuPont – General Manager

John DuPont
Signature

9/12/05
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Gulf port	Date: 9-10-05
Reviewer Name: Michelle Green	Laboratory Work Order: 0508237
Prep Batch Number(s): See Prep Dates Report	Run Batch: See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		CHAIN-OF-CUSTODY (C-O-C)					
R1	OI	1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	✓				R1-01
		2) Were all departures from standard conditions described in an exception report?			✓		
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	✓				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	✓				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	✓				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	✓				
		3) Were calculations checked by a peer or supervisor?	✓				
		4) Were all analyte identifications checked by a peer or supervisor?	✓				
		5) Were sample quantitation limits reported for all analytes not detected?	✓				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			✓		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			✓		
		8) If required for the project, TICs reported?			✓		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	✓				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits? MG 9/10/05	~~✓~~	✓			R4-02
R5	OI	**TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	✓				
		2) Were blanks analyzed at the appropriate frequency?	✓				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	✓				
		4) Were blank concentrations < MQL?	✓				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS)**					
		1) Were all COCs included in the LCS?	✓				
		2) Was each LCS taken through the entire analytical procedure, (prep and cleanup steps)?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs & RPD recovery within the laboratory QC limits?	✓				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	✓				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	✓				
		2) Were MS/MSD analyzed at the appropriate frequency?	✓				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		✓			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?	✓				
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	✓				
		2) Were analytical duplicates analyzed at the appropriate frequency?	✓				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	✓				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS)**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	✓				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	✓				
		3) Are unadjusted MQLs included in the laboratory data package?	✓				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	✓				R10-01
		2) Were all necessary corrective actions performed for the reported data?	✓				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	✓				

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Gulfport | Date: 9-10-05

Reviewer Name: Michelle Green | Laboratory Work Order: 0508237

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	✓				
		2) Were percent RSDs or correlation coefficient criteria met?	✓				
		3) Was the number of standards recommended in the method used for all analytes?	✓				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	✓				
		5) Are ICAL data available for all instruments used?	✓				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	✓				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	✓				
		2) Were percent differences for each analyte within the method-required QC limits?	✓				
		3) Was the ICAL curve verified for each analyte?	✓				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	✓				
S3	O	**MASS SPECTRAL TUNING**					
		1) Was the appropriate compound for the method used for tuning?	✓				
		2) Were ion abundance data within the method-required QC limits?	✓				
S4	O	**INTERNAL STANDARDS (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?	✓				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, & SECTION 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	✓				
		2) Were data associated with manual integrations flagged on the raw data?	✓				
S6	O	**DUAL COLUMN CONFIRMATION**					
		1) Did dual column confirmation results meet the method-required QC?	✓				
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			✓		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS**					
		1) Were percent recoveries within method QC limits?	✓				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	✓				
S10	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	✓				
S11	OI	**PROFICIENCY TEST REPORTS**					
		1) Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	✓				
S12	OI	**STANDARDS DOCUMENTATION**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	✓				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		1) Are the procedures for compound/analyte identification documented?	✓				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	✓				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS (NELAC)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	✓				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS)**					
		1) Are the laboratory SOPs current and on file for each method performed?	✓				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable. 4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508237

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method SW8260B - Volatile Organics
Method SW6020 - Metals Analysis
Method SW8870C - Semi-volatile Organics
EPA Method 300 - Anions by IC
EPA Method 310.1 - Alkalinity
EPA Method 376.2 - Sulfide Analysis
Method M8015D - Diesel Range Organics
Method M3500-FE - Ferrous Iron
Method RSKERR - Dissolved Gas

Exception Report R1-01

Samples were received and log-in performed on 8/26/05. A total of 6 samples were received. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For Semi-volatile organic analysis the surrogate recovery for the method blank was below control limits for 2-Fluorobiphenyl and Nitrobenzene-d5. These are flagged accordingly in the QC summary report. The surrogate recoveries for all the samples were within control limits. No further corrective actions were taken.

Exception Report R7-03

For Ferrous Iron analysis the matrix spike duplicate was below control limits. This is flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. No further corrective actions were taken.

Exception Report R10-01

For Ferrous Iron analysis the samples are collected in un-preserved VOA vials with no headspace, therefore the sample hold time is 7 days from collection.

For Volatile organic analysis tuning criteria is the CLP limits as per note Table 4 of method SW8260.

DATA REPORTING

Sample reports include the Sample Quantitation Limit (SQL) and the Reporting Limit (RL) for each

analyte. The computer system allows for reporting SQL with 2 significant figures and the RL with 3 significant figures. Because of rounding it may sometime appear that a "J" flagged result is lower than the SQL if the sample result is very near the SQL.

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508237

Work Order Sample Summary

Lab Sam ID	Client Sample ID	Tag Number	Collection Date	Date Recved
0508237-01	GPT-6-5		8/25/2005 8:10:00 AM	8/26/2005
0508237-02	GPT-6-4		8/25/2005 9:00:00 AM	8/26/2005
0508237-03	GPT-6-4-Dup		8/25/2005 9:00:00 AM	8/26/2005
0508237-04	GPT-6-1		8/25/2005 10:15:00 AM	8/26/2005
0508237-05	GPT-6-8		8/25/2005 11:15:00 AM	8/26/2005
0508237-06	Trip Blank		8/25/2005	8/26/2005

Lab Order: 0508237
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508237-01A	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508237-01B	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508237-01C	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/29/2005 9:01:30 AM	20086
0508237-01D	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 11:02:09 AM	20091
0508237-01E	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	E300	Anions by IC method - Water	8/26/2005	R23303
	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	E310.1	Alkalinity	8/31/2005 9:30:00 AM	R23347
0508237-01F	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508237-01G	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508237-01H	GPT-6-5	8/25/2005 8:10:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/30/2005 12:30:00 PM	20104
0508237-02A	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508237-02B	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508237-02C	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/29/2005 9:01:30 AM	20086
0508237-02D	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 11:02:09 AM	20091
0508237-02E	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	E300	Anions by IC method - Water	8/26/2005	R23303
	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	E310.1	Alkalinity	8/31/2005 9:41:00 AM	R23347
0508237-02F	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508237-02G	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508237-02H	GPT-6-4	8/25/2005 9:00:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/30/2005 12:30:00 PM	20104
0508237-03A	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508237-03B	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508237-03C	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/29/2005 9:01:30 AM	20086
0508237-03D	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 11:02:09 AM	20091

Lab Order: 0508237
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508237-03E	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	E300	Anions by IC method - Water	8/26/2005	R23303
	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	E310.1	Alkalinity	8/31/2005 9:50:00 AM	R23347
0508237-03F	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508237-03G	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508237-03H	GPT-6-4-Dup	8/25/2005 9:00:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/30/2005 12:30:00 PM	20104
0508237-04A	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508237-04B	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508237-04C	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/29/2005 9:01:30 AM	20086
0508237-04D	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 11:02:09 AM	20091
0508237-04E	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	E300	Anions by IC method - Water	8/26/2005	R23303
	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	E310.1	Alkalinity	8/31/2005 9:54:00 AM	R23347
0508237-04F	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508237-04G	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
0508237-04H	GPT-6-1	8/25/2005 10:15:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/30/2005 12:30:00 PM	20104
0508237-05A	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	8/26/2005 9:03:09 AM	20073
0508237-05B	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103
0508237-05C	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	8/29/2005 9:01:30 AM	20086
0508237-05D	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 11:02:09 AM	20091
	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	8/29/2005 11:02:09 AM	20091
0508237-05E	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	E300	Anions by IC method - Water	8/26/2005	R23303
	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	E310.1	Alkalinity	8/31/2005 10:01:00 AM	R23347

Lab Order: 0508237
Client: Battelle
Project: Gulfport

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0508237-05F	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	E376.2	Sulfide Water Prep	8/26/2005 12:30:00 PM	20083
0508237-05G	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/30/2005	DGAS_050830A
	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	8/31/2005	DGAS_050831A
0508237-05H	GPT-6-8	8/25/2005 11:15:00 AM	Aqueous	M3500-FE	Ferrous Iron Prep Water	8/30/2005 12:30:00 PM	20104
0508237-06A	Trip Blank	8/25/2005	Trip Blank	SW5030B	Purge and Trap Water GC/MS	8/30/2005 11:26:29 AM	20103

Lab Order: 0508237
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508237-01A	GPT-6-5	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 5:00:26 PM	GC15_050830B
0508237-01B	GPT-6-5	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 1:58:00 AM	GCMS5_050830A
0508237-01C	GPT-6-5	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20086	1	9/7/2005 1:12:00 PM	GCMS3_050907A
0508237-01D	GPT-6-5	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20091	1	9/2/2005 1:16:00 PM	ICP-MS2_050902A
0508237-01E	GPT-6-5	Aqueous	E300	Anions by IC method - Water	R23303	1	8/26/2005 3:14:35 PM	IC_050826B
	GPT-6-5	Aqueous	E310.1	Alkalinity	R23347	1	8/31/2005 9:30:00 AM	TITRATOR_050831A
0508237-01F	GPT-6-5	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 1:51:00 PM	UV/VIS_2_050826A
0508237-01G	GPT-6-5	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508237-01H	GPT-6-5	Aqueous	M3500-FE	Ferrous Iron	20104	10	8/30/2005 1:05:00 PM	UV/VIS_2_050830A
0508237-02A	GPT-6-4	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 5:25:49 PM	GC15_050830B
0508237-02B	GPT-6-4	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 2:22:00 AM	GCMS5_050830A
0508237-02C	GPT-6-4	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20086	1	9/7/2005 1:54:00 PM	GCMS3_050907A
0508237-02D	GPT-6-4	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20091	1	9/2/2005 1:20:00 PM	ICP-MS2_050902A
0508237-02E	GPT-6-4	Aqueous	E300	Anions by IC method - Water	R23303	1	8/26/2005 3:28:35 PM	IC_050826B
	GPT-6-4	Aqueous	E310.1	Alkalinity	R23347	1	8/31/2005 9:41:00 AM	TITRATOR_050831A
0508237-02F	GPT-6-4	Aqueous	E376.2	Sulfides-Aqueous	20083	5	8/26/2005 2:04:00 PM	UV/VIS_2_050826A
0508237-02G	GPT-6-4	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-4	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	200	8/30/2005 2:43:00 PM	GC5_050830A
0508237-02H	GPT-6-4	Aqueous	M3500-FE	Ferrous Iron	20104	1	8/30/2005 1:16:00 PM	UV/VIS_2_050830A
0508237-03A	GPT-6-4-Dup	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 5:51:14 PM	GC15_050830B
0508237-03B	GPT-6-4-Dup	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 2:46:00 AM	GCMS5_050830A
0508237-03C	GPT-6-4-Dup	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20086	1	9/7/2005 2:37:00 PM	GCMS3_050907A
0508237-03D	GPT-6-4-Dup	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20091	1	9/2/2005 1:24:00 PM	ICP-MS2_050902A

Lab Order: 0508237
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508237-03E	GPT-6-4-Dup	Aqueous	E300	Anions by IC method - Water	R23303	1	8/26/2005 3:42:35 PM	IC_050826B
	GPT-6-4-Dup	Aqueous	E310.1	Alkalinity	R23347	1	8/31/2005 9:50:00 AM	TITRATOR_050831A
0508237-03F	GPT-6-4-Dup	Aqueous	E376.2	Sulfides-Aqueous	20083	1	8/26/2005 2:04:00 PM	UV/VIS_2_050826A
0508237-03G	GPT-6-4-Dup	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-4-Dup	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	200	8/30/2005 2:43:00 PM	GC5_050830A
0508237-03H	GPT-6-4-Dup	Aqueous	M3500-FE	Ferrous Iron	20104	1	8/30/2005 1:16:00 PM	UV/VIS_2_050830A
0508237-04A	GPT-6-1	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 6:16:40 PM	GC15_050830B
0508237-04B	GPT-6-1	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 3:10:00 AM	GCMS5_050830A
0508237-04C	GPT-6-1	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20086	1	9/7/2005 3:19:00 PM	GCMS3_050907A
0508237-04D	GPT-6-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20091	1	9/2/2005 1:28:00 PM	ICP-MS2_050902A
0508237-04E	GPT-6-1	Aqueous	E300	Anions by IC method - Water	R23303	1	8/26/2005 3:56:36 PM	IC_050826B
	GPT-6-1	Aqueous	E310.1	Alkalinity	R23347	1	8/31/2005 9:54:00 AM	TITRATOR_050831A
0508237-04F	GPT-6-1	Aqueous	E376.2	Sulfides-Aqueous	20083	5	8/26/2005 2:34:00 PM	UV/VIS_2_050826A
0508237-04G	GPT-6-1	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	10	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-1	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
0508237-04H	GPT-6-1	Aqueous	M3500-FE	Ferrous Iron	20104	25	8/30/2005 1:28:00 AM	UV/VIS_2_050830A
0508237-05A	GPT-6-8	Aqueous	M8015D	TPH by GC - Water DRO+ORO	20073	1	8/30/2005 6:41:59 PM	GC15_050830B
0508237-05B	GPT-6-8	Aqueous	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/31/2005 4:46:00 AM	GCMS5_050830A
0508237-05C	GPT-6-8	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	20086	1	9/7/2005 4:02:00 PM	GCMS3_050907A
0508237-05D	GPT-6-8	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20091	1	9/2/2005 1:32:00 PM	ICP-MS2_050902A
	GPT-6-8	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	20091	5	9/2/2005 5:08:00 PM	ICP-MS2_050902A
0508237-05E	GPT-6-8	Aqueous	E300	Anions by IC method - Water	R23303	1	8/26/2005 4:10:36 PM	IC_050826B
	GPT-6-8	Aqueous	E310.1	Alkalinity	R23347	1	8/31/2005 10:01:00 AM	TITRATOR_050831A

Lab Order: 0508237
Client: Battelle
Project: Gulfport

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0508237-05F	GPT-6-8	Aqueous	E376.2	Sulfides-Aqueous	20083	5	8/26/2005 2:34:00 PM	UV/VIS_2_050826A
0508237-05G	GPT-6-8	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050830A	1	8/30/2005 2:43:00 PM	GC5_050830A
	GPT-6-8	Aqueous	RSKERR	Dissolved Gas (Methane,Ethane,Ethene)	DGAS_050831A	40	8/31/2005 3:59:00 PM	GC5_050831A
0508237-05H	GPT-6-8	Aqueous	M3500-FE	Ferrous Iron	20104	25	8/30/2005 1:28:00 AM	UV/VIS_2_050830A
0508237-06A	Trip Blank	Trip Blank	SW8260B	8260 Water Volatiles by GC/MS	20103	1	8/30/2005 10:46:00 PM	GCMS5_050830A

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:14:35 PM
Sulfate	14.4	1.0	3.00		mg/L	1	8/26/2005 3:14:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	19.8	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
Alkalinity, Total (As CaCO3)	19.8	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM

Qualifiers:

ND - Not Detected at the SQL
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DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 1:58:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 1:58:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 1:58:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 1:58:00 AM
Surr: 4-Bromofluorobenzene	94.8	0	76-119		%REC	1	8/31/2005 1:58:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 1:58:00 AM
Surr: Toluene-d8	95.6	0	81-120		%REC	1	8/31/2005 1:58:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 1:12:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM

Qualifiers:

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Surr: 2,4,6-Tribromophenol	74.8	0	53-155		%REC	1	9/7/2005 1:12:00 PM
Surr: 2-Fluorobiphenyl	68.0	0	55-130		%REC	1	9/7/2005 1:12:00 PM
Surr: 2-Fluorophenol	47.2	0	25-120		%REC	1	9/7/2005 1:12:00 PM
Surr: 4-Terphenyl-d14	86.2	0	51-135		%REC	1	9/7/2005 1:12:00 PM
Surr: Nitrobenzene-d5	66.0	0	55-124		%REC	1	9/7/2005 1:12:00 PM
Surr: Phenol-d6	31.2	0	20-120		%REC	1	9/7/2005 1:12:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

Qualifiers:

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B - Analyte detected in the associated Method Blank
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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.0223	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 5:00:26 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:00:26 PM
Surr: o-Terphenyl	75.8	0	64-132		%REC	1	8/30/2005 5:00:26 PM
Surr: Octacosane	98.4	0	26-152		%REC	1	8/30/2005 5:00:26 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	3.46	0.50	1.00		mg/L	10	8/30/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	3630	50	100		µg/L	1	9/2/2005 1:16:00 PM
Manganese	60.5	3.0	10.0		µg/L	1	9/2/2005 1:16:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0608	0.0050	0.00500		mg/L	1	8/26/2005 1:51:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:28:35 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/26/2005 3:28:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	371	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
Alkalinity, Total (As CaCO3)	371	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1-Dichloroethane	0.23	0.20	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
1,1-Dichloroethene	0.35	0.20	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,4-Trimethylbenzene	2.1	1.5	5.00	J	µg/L	1	8/31/2005 2:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Ethylbenzene	0.51	0.30	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 2:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
m,p-Xylene	0.71	0.60	2.00	J	µg/L	1	8/31/2005 2:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 2:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
p-Isopropyltoluene	0.33	0.30	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:22:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 2:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Vinyl chloride	0.52	0.10	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	8/31/2005 2:22:00 AM
Surr: 4-Bromofluorobenzene	94.1	0	76-119		%REC	1	8/31/2005 2:22:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	8/31/2005 2:22:00 AM
Surr: Toluene-d8	95.0	0	81-120		%REC	1	8/31/2005 2:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Methylnaphthalene	7.40	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 1:54:00 PM
Acenaphthene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Fluorene	1.2	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Naphthalene	2.6	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Phenanthrene	1.8	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Surr: 2,4,6-Tribromophenol	88.5	0	53-155		%REC	1	9/7/2005 1:54:00 PM
Surr: 2-Fluorobiphenyl	77.8	0	55-130		%REC	1	9/7/2005 1:54:00 PM
Surr: 2-Fluorophenol	50.2	0	25-120		%REC	1	9/7/2005 1:54:00 PM
Surr: 4-Terphenyl-d14	93.5	0	51-135		%REC	1	9/7/2005 1:54:00 PM
Surr: Nitrobenzene-d5	76.8	0	55-124		%REC	1	9/7/2005 1:54:00 PM
Surr: Phenol-d6	32.5	0	20-120		%REC	1	9/7/2005 1:54:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	9.79	0.060	0.200		mg/L	200	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	0.65	0.60	1.00	J	mg/L	1	8/30/2005 5:25:49 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:25:49 PM
Surr: o-Terphenyl	81.5	0	64-132		%REC	1	8/30/2005 5:25:49 PM
Surr: Octacosane	103	0	26-152		%REC	1	8/30/2005 5:25:49 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.450	0.050	0.100		mg/L	1	8/30/2005 1:16:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1470	50	100		µg/L	1	9/2/2005 1:20:00 PM
Manganese	107	3.0	10.0		µg/L	1	9/2/2005 1:20:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.97	0.025	0.0250		mg/L	5	8/26/2005 2:04:00 PM

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:42:35 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/26/2005 3:42:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	369	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
Alkalinity, Total (As CaCO3)	369	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1-Dichloroethane	0.21	0.20	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
1,1-Dichloroethene	0.37	0.20	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,4-Trimethylbenzene	2.1	1.5	5.00	J	µg/L	1	8/31/2005 2:46:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:46:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Ethylbenzene	0.54	0.30	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 2:46:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
m,p-Xylene	0.70	0.60	2.00	J	µg/L	1	8/31/2005 2:46:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 2:46:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
p-Isopropyltoluene	0.34	0.30	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:46:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 2:46:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:46:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Vinyl chloride	0.52	0.10	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 2:46:00 AM
Surr: 4-Bromofluorobenzene	95.5	0	76-119		%REC	1	8/31/2005 2:46:00 AM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 2:46:00 AM
Surr: Toluene-d8	95.5	0	81-120		%REC	1	8/31/2005 2:46:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Methylnaphthalene	8.00	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 2:37:00 PM
Acenaphthene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Fluorene	1.2	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Naphthalene	2.8	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Phenanthrene	2.0	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Surr: 2,4,6-Tribromophenol	88.0	0	53-155		%REC	1	9/7/2005 2:37:00 PM
Surr: 2-Fluorobiphenyl	78.2	0	55-130		%REC	1	9/7/2005 2:37:00 PM
Surr: 2-Fluorophenol	45.8	0	25-120		%REC	1	9/7/2005 2:37:00 PM
Surr: 4-Terphenyl-d14	97.2	0	51-135		%REC	1	9/7/2005 2:37:00 PM
Surr: Nitrobenzene-d5	74.8	0	55-124		%REC	1	9/7/2005 2:37:00 PM
Surr: Phenol-d6	30.5	0	20-120		%REC	1	9/7/2005 2:37:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	12.0	0.060	0.200		mg/L	200	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	0.69	0.60	1.00	J	mg/L	1	8/30/2005 5:51:14 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:51:14 PM
Surr: o-Terphenyl	84.5	0	64-132		%REC	1	8/30/2005 5:51:14 PM
Surr: Octacosane	107	0	26-152		%REC	1	8/30/2005 5:51:14 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.434	0.050	0.100		mg/L	1	8/30/2005 1:16:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1730	50	100		µg/L	1	9/2/2005 1:24:00 PM
Manganese	127	3.0	10.0		µg/L	1	9/2/2005 1:24:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.369	0.0050	0.00500		mg/L	1	8/26/2005 2:04:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:56:36 PM
Sulfate	11.0	1.0	3.00		mg/L	1	8/26/2005 3:56:36 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	46.9	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
Alkalinity, Total (As CaCO3)	46.9	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,4-Trimethylbenzene	2.9	1.5	5.00	J	µg/L	1	8/31/2005 3:10:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,3,5-Trimethylbenzene	2.1	1.5	5.00	J	µg/L	1	8/31/2005 3:10:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
2-Butanone	12	5.0	15.0	J	µg/L	1	8/31/2005 3:10:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Acetone	25.2	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Ethylbenzene	0.73	0.30	1.00	J	µg/L	1	8/31/2005 3:10:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 3:10:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
m,p-Xylene	0.66	0.60	2.00	J	µg/L	1	8/31/2005 3:10:00 AM
Methyl tert-butyl ether	0.61	0.30	1.00	J	µg/L	1	8/31/2005 3:10:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 3:10:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Naphthalene	8.2	5.0	15.0	J	µg/L	1	8/31/2005 3:10:00 AM
o-Xylene	2.90	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
p-Isopropyltoluene	0.35	0.30	1.00	J	µg/L	1	8/31/2005 3:10:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:10:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 3:10:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:10:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 3:10:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 3:10:00 AM
Surr: 4-Bromofluorobenzene	96.2	0	76-119		%REC	1	8/31/2005 3:10:00 AM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	8/31/2005 3:10:00 AM
Surr: Toluene-d8	95.0	0	81-120		%REC	1	8/31/2005 3:10:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Methylnaphthalene	8.40	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Methylphenol	38.0	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 3:19:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	10.8	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Fluorene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 3:19:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Naphthalene	5.40	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Surr: 2,4,6-Tribromophenol	90.8	0	53-155		%REC	1	9/7/2005 3:19:00 PM
Surr: 2-Fluorobiphenyl	71.5	0	55-130		%REC	1	9/7/2005 3:19:00 PM
Surr: 2-Fluorophenol	43.8	0	25-120		%REC	1	9/7/2005 3:19:00 PM
Surr: 4-Terphenyl-d14	83.5	0	51-135		%REC	1	9/7/2005 3:19:00 PM
Surr: Nitrobenzene-d5	66.8	0	55-124		%REC	1	9/7/2005 3:19:00 PM
Surr: Phenol-d6	30.8	0	20-120		%REC	1	9/7/2005 3:19:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.186	0.0030	0.0100		mg/L	10	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	3.58	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
Surr: o-Terphenyl	128	0	64-132		%REC	1	8/30/2005 6:16:40 PM
Surr: Octacosane	124	0	26-152		%REC	1	8/30/2005 6:16:40 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	7.46	1.2	2.50		mg/L	25	8/30/2005 1:28:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	8200	50	100		µg/L	1	9/2/2005 1:28:00 PM
Manganese	78.4	3.0	10.0		µg/L	1	9/2/2005 1:28:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.60	0.025	0.0250		mg/L	5	8/26/2005 2:34:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 4:10:36 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/26/2005 4:10:36 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	83.7	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
Alkalinity, Total (As CaCO3)	83.7	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,4-Trimethylbenzene	8.74	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,3,5-Trimethylbenzene	6.08	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
2-Butanone	26.9	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Acetone	56.2	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
cis-1,2-Dichloroethene	1.56	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Ethylbenzene	3.37	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 4:46:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Isopropylbenzene	0.21	0.20	1.00	J	µg/L	1	8/31/2005 4:46:00 AM
m,p-Xylene	8.87	0.60	2.00		µg/L	1	8/31/2005 4:46:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 4:46:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
n-Propylbenzene	0.36	0.30	1.00	J	µg/L	1	8/31/2005 4:46:00 AM
Naphthalene	36.4	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
o-Xylene	12.6	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
p-Isopropyltoluene	0.70	0.30	1.00	J	µg/L	1	8/31/2005 4:46:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 4:46:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 4:46:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Trichloroethene	0.61	0.60	2.00	J	µg/L	1	8/31/2005 4:46:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 4:46:00 AM
Surr: 1,2-Dichloroethane-d4	102	0	72-119		%REC	1	8/31/2005 4:46:00 AM
Surr: 4-Bromofluorobenzene	94.6	0	76-119		%REC	1	8/31/2005 4:46:00 AM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/31/2005 4:46:00 AM
Surr: Toluene-d8	95.3	0	81-120		%REC	1	8/31/2005 4:46:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Methylnaphthalene	9.00	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
3,3´-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Methylphenol	40.8	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 4:02:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	13.0	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Fluorene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 4:02:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Naphthalene	5.60	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Surr: 2,4,6-Tribromophenol	100	0	53-155		%REC	1	9/7/2005 4:02:00 PM
Surr: 2-Fluorobiphenyl	77.0	0	55-130		%REC	1	9/7/2005 4:02:00 PM
Surr: 2-Fluorophenol	49.5	0	25-120		%REC	1	9/7/2005 4:02:00 PM
Surr: 4-Terphenyl-d14	93.0	0	51-135		%REC	1	9/7/2005 4:02:00 PM
Surr: Nitrobenzene-d5	71.8	0	55-124		%REC	1	9/7/2005 4:02:00 PM
Surr: Phenol-d6	35.0	0	20-120		%REC	1	9/7/2005 4:02:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.789	0.012	0.0400		mg/L	40	8/31/2005 3:59:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	7.75	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
Surr: o-Terphenyl	102	0	64-132		%REC	1	8/30/2005 6:41:59 PM
Surr: Octacosane	116	0	26-152		%REC	1	8/30/2005 6:41:59 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	11.7	1.2	2.50		mg/L	25	8/30/2005 1:28:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	16500	250	500		µg/L	5	9/2/2005 5:08:00 PM
Manganese	90.2	3.0	10.0		µg/L	1	9/2/2005 1:32:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	2.37	0.025	0.0250		mg/L	5	8/26/2005 2:34:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0508237-06
Project No:	G486352-03	**Collection Date:**	8/25/2005
Lab Order:	0508237	**Matrix:**	TRIP BLANK

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0508237-06
Project No:	G486352-03	**Collection Date:**	8/25/2005
Lab Order:	0508237	**Matrix:**	TRIP BLANK

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 10:46:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 10:46:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 10:46:00 PM
Surr: 1,2-Dichloroethane-d4	102	0	72-119		%REC	1	8/30/2005 10:46:00 PM
Surr: 4-Bromofluorobenzene	96.8	0	76-119		%REC	1	8/30/2005 10:46:00 PM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/30/2005 10:46:00 PM
Surr: Toluene-d8	94.8	0	81-120		%REC	1	8/30/2005 10:46:00 PM

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CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GC15_050830B**

Sample ID **MB-20073** Batch ID: **20073** TestNo: **M8015D** Units: **mg/L**
SampType **MBLK** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 2:31:27 PM** Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	1								
TPH-ORO >C28-C35	ND	1								
Surr: o-Terphenyl	1.493	0	1.5	0	99.5	64	132	0		
Surr: Octacosane	1.877	0	1.5	0	125	26	152	0		

Sample ID **LCS-20073** Batch ID: **20073** TestNo: **M8015D** Units: **mg/L**
SampType **LCS** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 2:56:51 PM** Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	21.08	1	25	0	84.3	50	114	0		
Surr: o-Terphenyl	1.518	0	1.5	0	101	64	132	0		
Surr: Octacosane	1.761	0	1.5	0	117	26	152	0		

Sample ID **LCSD-20073** Batch ID: **20073** TestNo: **M8015D** Units: **mg/L**
SampType **LCSD** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 3:22:24 PM** Prep Date: **8/26/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	24.8	1	25	0	99.2	50	114	16.2	30	
Surr: o-Terphenyl	1.563	0	1.5	0	104	64	132	0	0	
Surr: Octacosane	1.754	0	1.5	0	117	26	152	0	0	

Sample ID **CCV1-050830** Batch ID: **R23338** TestNo: **M8015D** Units: **mg/L**
SampType **CCV** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 4:25:50 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	541.4	1	500	0	108	85	115	0		
TPH-ORO >C28-C35	0.8142	1	0	0	0	0	0	0		
Surr: o-Terphenyl	23.37	0	20	0	117	64	132	0		
Surr: Octacosane	25.11	0	20	0	126	26	152	0		

Sample ID **CCV2-050830** Batch ID: **R23338** TestNo: **M8015D** Units: **mg/L**
SampType **CCV** Run ID: **GC15_050830B** Analysis Date: **8/30/2005 9:12:22 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	574.4	1	500	0	115	85	115	0		
TPH-ORO >C28-C35	1.329	1	0	0	0	0	0	0		
Surr: o-Terphenyl	24.97	0	20	0	125	64	132	0		
Surr: Octacosane	27.08	0	20	0	135	26	152	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GC15_050830B**

Sample ID	**ICV-050830**	Batch ID:	**R23338**	TestNo:	**M8015D**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC15_050830B**	Analysis Date:	**8/30/2005 2:02:02 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	887	1	1000	0	88.7	85	115	0		
TPH-ORO >C28-C35	2.003	1	0	0	0	0	0	0		
Surr: o-Terphenyl	17.32	0	25	0	69.3	64	132	0		
Surr: Octacosane	14.51	0	25	0	58.1	26	152	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **ICP-MS2_050902A**

Sample ID	**MB-20091**	Batch ID:	**20091**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:13:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	100								
Manganese	ND	10								

Sample ID	**LCS-20091**	Batch ID:	**20091**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**LCS**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:33:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5160	100	5000	0	103	80	120	0		
Manganese	210.5	10	200	0	105	80	120	0		

Sample ID	**LCSD-20091**	Batch ID:	**20091**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**LCSD**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:37:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5190	100	5000	0	104	80	120	0.580	15	
Manganese	209.8	10	200	0	105	80	120	0.333	15	

Sample ID	**0508246-04C MS**	Batch ID:	**20091**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**MS**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:41:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5046	100	5000	54.03	99.8	80	120	0		
Manganese	407.4	10	200	205.5	101	80	120	0		

Sample ID	**0508246-04C MSD**	Batch ID:	**20091**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**MSD**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:45:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5025	100	5000	54.03	99.4	80	120	0.417	15	
Manganese	407.8	10	200	205.5	101	80	120	0.0981	15	

Sample ID	**0508246-04C PDS**	Batch ID:	**20091**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**PDS**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:48:00 PM**	Prep Date:	**8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4834	100	5000	54.03	95.6	75	125	0		
Manganese	393.2	10	200	205.5	93.9	75	125	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **ICP-MS2_050902A**

Sample ID **0508246-04C SD** Batch ID: **20091** TestNo: **SW6020** Units: **µg/L**
SampType **SD** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 12:21:00 PM** Prep Date: **8/29/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	500	0	54.03	0	0	0	0	10	
Manganese	216.2	50	0	205.5	0	0	0	5.10	10	

Sample ID **CCV1-050902** Batch ID: **R23388** TestNo: **SW6020** Units: **µg/L**
SampType **CCV** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 12:52:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5199	100	5000	0	104	90	110	0		
Manganese	206.3	10	200	0	103	90	110	0		

Sample ID **CCV2-050902** Batch ID: **R23388** TestNo: **SW6020** Units: **µg/L**
SampType **CCV** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 1:52:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5149	100	5000	0	103	90	110	0		
Manganese	205	10	200	0	103	90	110	0		

Sample ID **CCV4-050902** Batch ID: **R23388** TestNo: **SW6020** Units: **µg/L**
SampType **CCV** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 3:48:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	202.4	10	200	0	101	90	110	0		

Sample ID **CCV5-050902** Batch ID: **R23388** TestNo: **SW6020** Units: **µg/L**
SampType **CCV** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 4:56:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	4963	100	5000	0	99.3	90	110	0		
Manganese	196.1	10	200	0	98	90	110	0		

Sample ID **CCV6-050902** Batch ID: **R23388** TestNo: **SW6020** Units: **µg/L**
SampType **CCV** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 5:48:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	5017	100	5000	0	100	90	110	0		
Manganese	197.8	10	200	0	98.9	90	110	0		

Sample ID **ICV1-050902** Batch ID: **R23388** TestNo: **SW6020** Units: **µg/L**
SampType **ICV** Run ID: **ICP-MS2_050902A** Analysis Date: **9/2/2005 12:00:00 PM** Prep Date:

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **ICP-MS2_050902A**

Sample ID	**ICV1-050902**	Batch ID:	**R23388**	TestNo:	**SW6020**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**ICP-MS2_050902A**	Analysis Date:	**9/2/2005 12:00:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	2551	100	2500	0	102	90	110	0		
Manganese	99.6	10	100	0	99.6	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	MB-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	MBLK	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 11:50:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	4								
1,2-Dichlorobenzene	ND	4								
1,3-Dichlorobenzene	ND	4								
1,4-Dichlorobenzene	ND	4								
2,4,5-Trichlorophenol	ND	4								
2,4,6-Trichlorophenol	ND	4								
2,4-Dichlorophenol	ND	4								
2,4-Dimethylphenol	ND	4								
2,4-Dinitrophenol	ND	20								
2,4-Dinitrotoluene	ND	4								
2,6-Dinitrotoluene	ND	4								
2-Chloronaphthalene	ND	4								
2-Chlorophenol	ND	4								
2-Methylnaphthalene	ND	4								
2-Methylphenol	ND	4								
2-Nitroaniline	ND	4								
2-Nitrophenol	ND	4								
3,3´-Dichlorobenzidine	ND	4								
3-Nitroaniline	ND	4								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl phenyl ether	ND	4								
4-Chloro-3-methylphenol	ND	4								
4-Chloroaniline	ND	10								
4-Chlorophenyl phenyl ether	ND	4								
4-Methylphenol	ND	4								
4-Nitroaniline	ND	4								
4-Nitrophenol	ND	20								
Acenaphthene	ND	4								
Acenaphthylene	ND	4								
Aniline	ND	4								
Anthracene	ND	4								
Benzo[a]anthracene	ND	4								
Benzo[a]pyrene	ND	4								
Benzo[b]fluoranthene	ND	4								
Benzo[g,h,i]perylene	ND	4								
Benzo[k]fluoranthene	ND	4								
Benzoic acid	ND	10								
Benzyl alcohol	ND	10								
Bis(2-chloroethoxy)methane	ND	4								
Bis(2-chloroethyl)ether	ND	4								
Bis(2-chloroisopropyl)ether	ND	4								
Bis(2-ethylhexyl)phthalate	ND	4								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	MB-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	MBLK	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 11:50:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Butyl benzyl phthalate	ND	10								
Carbazole	ND	4								
Chrysene	ND	4								
Di-n-butyl phthalate	ND	10								
Di-n-octyl phthalate	ND	10								
Dibenz[a,h]anthracene	ND	4								
Dibenzofuran	ND	4								
Diethyl phthalate	ND	10								
Dimethyl phthalate	ND	10								
Fluoranthene	ND	4								
Fluorene	ND	4								
Hexachlorobenzene	ND	4								
Hexachlorobutadiene	ND	4								
Hexachlorocyclopentadiene	ND	10								
Hexachloroethane	ND	4								
Indeno[1,2,3-cd]pyrene	ND	4								
Isophorone	ND	4								
N-Nitrosodi-n-propylamine	ND	4								
N-Nitrosodiphenylamine	ND	4								
Naphthalene	ND	4								
Nitrobenzene	ND	4								
Pentachlorophenol	ND	4								
Phenanthrene	ND	4								
Phenol	ND	4								
Pyrene	ND	4								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	48	0	80	0	60	53	155	0		
Surr: 2-Fluorobiphenyl	41.4	0	80	0	51.8	55	130	0		S
Surr: 2-Fluorophenol	32.6	0	80	0	40.8	25	120	0		
Surr: 4-Terphenyl-d14	55.2	0	80	0	69	51	135	0		
Surr: Nitrobenzene-d5	39.2	0	80	0	49	55	124	0		S
Surr: Phenol-d6	22.8	0	80	0	28.5	20	120	0		

Sample ID	LCS-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	LCS	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 10:26:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	24.6	4	40	0	61.5	37	120	0		
1,2-Dichlorobenzene	24	4	40	0	60	33	120	0		
1,3-Dichlorobenzene	23.2	4	40	0	58	32	120	0		
1,4-Dichlorobenzene	23.4	4	40	0	58.5	32	120	0		
2,4,5-Trichlorophenol	28.8	4	40	0	72	49	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	LCS-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	LCS	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 10:26:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	28.4	4	40	0	71	49	126	0		
2,4-Dichlorophenol	25	4	40	0	62.5	48	120	0		
2,4-Dimethylphenol	23.4	4	40	0	58.5	28	120	0		
2,4-Dinitrophenol	40	20	40	0	100	25	130	0		
2,4-Dinitrotoluene	30.6	4	40	0	76.5	51	120	0		
2,6-Dinitrotoluene	31	4	40	0	77.5	49	120	0		
2-Chloronaphthalene	27.2	4	40	0	68	49	120	0		
2-Chlorophenol	24.2	4	40	0	60.5	37	120	0		
2-Methylnaphthalene	25.2	4	40	0	63	45	105	0		
2-Methylphenol	22.4	4	40	0	56	38	120	0		
2-Nitroaniline	31.2	4	40	0	78	48	120	0		
2-Nitrophenol	28.2	4	40	0	70.5	39	123	0		
3,3´-Dichlorobenzidine	29.2	4	40	0	73	20	120	0		
3-Nitroaniline	29.2	4	40	0	73	20	126	0		
4,6-Dinitro-2-methylphenol	39.2	10	40	0	98	40	130	0		
4-Bromophenyl phenyl ether	28.8	4	40	0	72	52	120	0		
4-Chloro-3-methylphenol	26.6	4	40	0	66.5	47	120	0		
4-Chloroaniline	25	10	40	0	62.5	20	120	0		
4-Chlorophenyl phenyl ether	28.8	4	40	0	72	50	120	0		
4-Methylphenol	21.8	4	40	0	54.5	32	120	0		
4-Nitroaniline	28.4	4	40	0	71	36	120	0		
4-Nitrophenol	13.6	20	40	0	34	20	120	0		
Acenaphthene	27.4	4	40	0	68.5	45	110	0		
Acenaphthylene	27	4	40	0	67.5	60	150	0		
Aniline	23.8	4	40	0	59.5	10	140	0		
Anthracene	29.2	4	40	0	73	55	110	0		
Benzo[a]anthracene	28.6	4	40	0	71.5	55	110	0		
Benzo[a]pyrene	25	4	40	0	62.5	55	110	0		
Benzo[b]fluoranthene	25.6	4	40	0	64	45	120	0		
Benzo[g,h,i]perylene	24.8	4	40	0	62	38	123	0		
Benzo[k]fluoranthene	25.4	4	40	0	63.5	45	125	0		
Benzoic acid	8.6	10	40	0	21.5	20	120	0		
Benzyl alcohol	22.4	10	40	0	56	30	120	0		
Bis(2-chloroethoxy)methane	26.8	4	40	0	67	46	120	0		
Bis(2-chloroethyl)ether	25.6	4	40	0	64	37	120	0		
Bis(2-chloroisopropyl)ether	26	4	40	0	65	26	131	0		
Bis(2-ethylhexyl)phthalate	30.2	4	40	0	75.5	42	126	0		
Butyl benzyl phthalate	31	10	40	0	77.5	46	120	0		
Carbazole	30.2	4	40	0	75.5	26	125	0		
Chrysene	28.8	4	40	0	72	55	110	0		
Di-n-butyl phthalate	33.4	10	40	0	83.5	54	120	0		
Di-n-octyl phthalate	26.4	10	40	0	66	37	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	LCS-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	LCS	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 10:26:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibenz[a,h]anthracene	24.4	4	40	0	61	42	127	0		
Dibenzofuran	28.2	4	40	0	70.5	54	120	0		
Diethyl phthalate	29.6	10	40	0	74	41	120	0		
Dimethyl phthalate	29.2	10	40	0	73	25	127	0		
Fluoranthene	31	4	40	0	77.5	55	115	0		
Fluorene	28	4	40	0	70	50	110	0		
Hexachlorobenzene	28.6	4	40	0	71.5	52	120	0		
Hexachlorobutadiene	24.2	4	40	0	60.5	27	120	0		
Hexachlorocyclopentadiene	21.6	10	40	0	54	27	125	0		
Hexachloroethane	23.4	4	40	0	58.5	28	120	0		
Indeno[1,2,3-cd]pyrene	24.4	4	40	0	61	45	125	0		
Isophorone	26.8	4	40	0	67	50	120	0		
N-Nitrosodi-n-propylamine	28.4	4	40	0	71	34	128	0		
N-Nitrosodiphenylamine	28.2	4	40	0	70.5	48	120	0		
Naphthalene	25	4	40	0	62.5	40	100	0		
Nitrobenzene	25.6	4	40	0	64	44	120	0		
Pentachlorophenol	31.4	4	40	0	78.5	38	120	0		
Phenanthrene	29.2	4	40	0	73	50	115	0		
Phenol	11.4	4	40	0	28.5	20	120	0		
Pyrene	29.6	4	40	0	74	50	130	0		
Pyridine	15.2	10	40	0	38	20	110	0		
Surr: 2,4,6-Tribromophenol	67.4	0	80	0	84.2	53	155	0		
Surr: 2-Fluorobiphenyl	59.6	0	80	0	74.5	55	130	0		
Surr: 2-Fluorophenol	36.4	0	80	0	45.5	25	120	0		
Surr: 4-Terphenyl-d14	70.2	0	80	0	87.8	51	135	0		
Surr: Nitrobenzene-d5	59.2	0	80	0	74	55	124	0		
Surr: Phenol-d6	24.4	0	80	0	30.5	20	120	0		

Sample ID	LCSD-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	LCSD	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 11:08:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	22.8	4	40	0	57	37	120	7.59	20	
1,2-Dichlorobenzene	22	4	40	0	55	33	120	8.70	20	
1,3-Dichlorobenzene	22	4	40	0	55	32	120	5.31	20	
1,4-Dichlorobenzene	22	4	40	0	55	32	120	6.17	20	
2,4,5-Trichlorophenol	27.4	4	40	0	68.5	49	120	4.98	20	
2,4,6-Trichlorophenol	27.2	4	40	0	68	49	126	4.32	20	
2,4-Dichlorophenol	27.4	4	40	0	68.5	48	120	9.16	20	
2,4-Dimethylphenol	26	4	40	0	65	28	120	10.5	20	
2,4-Dinitrophenol	38.6	20	40	0	96.5	25	130	3.56	20	
2,4-Dinitrotoluene	28.8	4	40	0	72	51	120	6.06	20	

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	LCSD-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	LCSD	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 11:08:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	29.6	4	40	0	74	49	120	4.62	20	
2-Chloronaphthalene	26	4	40	0	65	49	120	4.51	20	
2-Chlorophenol	24	4	40	0	60	37	120	0.830	20	
2-Methylnaphthalene	26.2	4	40	0	65.5	45	105	3.89	20	
2-Methylphenol	26.4	4	40	0	66	38	120	16.4	20	
2-Nitroaniline	29	4	40	0	72.5	48	120	7.31	20	
2-Nitrophenol	27.8	4	40	0	69.5	39	123	1.43	20	
3,3´-Dichlorobenzidine	28.2	4	40	0	70.5	20	120	3.48	20	
3-Nitroaniline	28	4	40	0	70	20	126	4.20	20	
4,6-Dinitro-2-methylphenol	37.8	10	40	0	94.5	40	130	3.64	20	
4-Bromophenyl phenyl ether	27	4	40	0	67.5	52	120	6.45	20	
4-Chloro-3-methylphenol	28.8	4	40	0	72	47	120	7.94	20	
4-Chloroaniline	27.2	10	40	0	68	20	120	8.43	20	
4-Chlorophenyl phenyl ether	26.6	4	40	0	66.5	50	120	7.94	20	
4-Methylphenol	25.8	4	40	0	64.5	32	120	16.8	20	
4-Nitroaniline	27.8	4	40	0	69.5	36	120	2.14	20	
4-Nitrophenol	13.4	20	40	0	33.5	20	120	0	20	
Acenaphthene	26	4	40	0	65	45	110	5.24	20	
Acenaphthylene	26	4	40	0	65	60	150	3.77	20	
Aniline	24.4	4	40	0	61	10	140	2.49	20	
Anthracene	28.2	4	40	0	70.5	55	110	3.48	20	
Benzo[a]anthracene	28.4	4	40	0	71	55	110	0.702	20	
Benzo[a]pyrene	24.4	4	40	0	61	55	110	2.43	20	
Benzo[b]fluoranthene	24.8	4	40	0	62	45	120	3.17	20	
Benzo[g,h,i]perylene	23.8	4	40	0	59.5	38	123	4.12	20	
Benzo[k]fluoranthene	25.6	4	40	0	64	45	125	0.784	20	
Benzoic acid	9.8	10	40	0	24.5	20	120	0	20	
Benzyl alcohol	26.4	10	40	0	66	30	120	16.4	20	
Bis(2-chloroethoxy)methane	27	4	40	0	67.5	46	120	0.743	20	
Bis(2-chloroethyl)ether	24.2	4	40	0	60.5	37	120	5.62	20	
Bis(2-chloroisopropyl)ether	23.8	4	40	0	59.5	26	131	8.84	20	
Bis(2-ethylhexyl)phthalate	29.2	4	40	0	73	42	126	3.37	20	
Butyl benzyl phthalate	30.6	10	40	0	76.5	46	120	1.30	20	
Carbazole	29.6	4	40	0	74	26	125	2.01	20	
Chrysene	28.8	4	40	0	72	55	110	0	20	
Di-n-butyl phthalate	33.2	10	40	0	83	54	120	0.601	20	
Di-n-octyl phthalate	25.8	10	40	0	64.5	37	137	2.30	20	
Dibenz[a,h]anthracene	23.8	4	40	0	59.5	42	127	2.49	20	
Dibenzofuran	26.6	4	40	0	66.5	54	120	5.84	20	
Diethyl phthalate	27.4	10	40	0	68.5	41	120	7.72	20	
Dimethyl phthalate	27.6	10	40	0	69	25	127	5.63	20	
Fluoranthene	30.8	4	40	0	77	55	115	0.647	20	

Qualifiers:
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	LCSD-20086	Batch ID:	20086	TestNo:	SW8270C	Units:	µg/L
SampType	LCSD	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 11:08:00 AM	Prep Date:	8/29/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluorene	26	4	40	0	65	50	110	7.41	20	
Hexachlorobenzene	27.4	4	40	0	68.5	52	120	4.29	20	
Hexachlorobutadiene	23.4	4	40	0	58.5	27	120	3.36	20	
Hexachlorocyclopentadiene	20.6	10	40	0	51.5	27	125	4.74	20	
Hexachloroethane	21.2	4	40	0	53	28	120	9.87	20	
Indeno[1,2,3-cd]pyrene	23.6	4	40	0	59	45	125	3.33	20	
Isophorone	28.6	4	40	0	71.5	50	120	6.50	20	
N-Nitrosodi-n-propylamine	29	4	40	0	72.5	34	128	2.09	20	
N-Nitrosodiphenylamine	27.4	4	40	0	68.5	48	120	2.88	20	
Naphthalene	23.6	4	40	0	59	40	100	5.76	20	
Nitrobenzene	23.4	4	40	0	58.5	44	120	8.98	20	
Pentachlorophenol	30.6	4	40	0	76.5	38	120	2.58	20	
Phenanthrene	28	4	40	0	70	50	115	4.20	20	
Phenol	13.2	4	40	0	33	20	120	14.6	20	
Pyrene	29.6	4	40	0	74	50	130	0	20	
Pyridine	17.2	10	40	0	43	20	110	12.3	20	
Surr: 2,4,6-Tribromophenol	60.8	0	80	0	76	53	155	0	0	
Surr: 2-Fluorobiphenyl	53.6	0	80	0	67	55	130	0	0	
Surr: 2-Fluorophenol	35.4	0	80	0	44.2	25	120	0	0	
Surr: 4-Terphenyl-d14	67	0	80	0	83.8	51	135	0	0	
Surr: Nitrobenzene-d5	50.4	0	80	0	63	55	124	0	0	
Surr: Phenol-d6	27.2	0	80	0	34	20	120	0	0	

Sample ID	ICV-050907	Batch ID:	R23419	TestNo:	SW8270C	Units:	µg/L
SampType	ICV	Run ID:	GCMS3_050907A	Analysis Date:	9/6/2005 10:39:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3910	4	4000	0	97.8	80	120	0		
1,2-Dichlorobenzene	3670	4	4000	0	91.8	80	120	0		
1,3-Dichlorobenzene	3840	4	4000	0	96	80	120	0		
1,4-Dichlorobenzene	3840	4	4000	0	96	80	120	0		
2,4,5-Trichlorophenol	4380	4	4000	0	110	80	120	0		
2,4,6-Trichlorophenol	4460	4	4000	0	112	80	120	0		
2,4-Dichlorophenol	4370	4	4000	0	109	80	120	0		
2,4-Dimethylphenol	3620	4	4000	0	90.5	80	120	0		
2,4-Dinitrophenol	4620	20	4000	0	116	80	120	0		
2,4-Dinitrotoluene	4090	4	4000	0	102	80	120	0		
2,6-Dinitrotoluene	4130	4	4000	0	103	80	120	0		
2-Chloronaphthalene	4010	4	4000	0	100	80	120	0		
2-Chlorophenol	3770	4	4000	0	94.3	80	120	0		
2-Methylnaphthalene	4090	4	4000	0	102	80	120	0		
2-Methylphenol	4470	4	4000	0	112	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	ICV-050907	Batch ID:	R23419	TestNo:	SW8270C	Units:	µg/L
SampType	ICV	Run ID:	GCMS3_050907A	Analysis Date:	9/6/2005 10:39:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Nitroaniline	4780	4	4000	0	120	80	120	0		
2-Nitrophenol	4200	4	4000	0	105	80	120	0		
3,3´-Dichlorobenzidine	4090	4	4000	0	102	70	130	0		
3-Nitroaniline	3980	4	4000	0	99.5	80	120	0		
4,6-Dinitro-2-methylphenol	4450	10	4000	0	111	70	130	0		
4-Bromophenyl phenyl ether	4230	4	4000	0	106	80	120	0		
4-Chloro-3-methylphenol	4370	4	4000	0	109	70	130	0		
4-Chloroaniline	4150	10	4000	0	104	80	120	0		
4-Chlorophenyl phenyl ether	4030	4	4000	0	101	80	120	0		
4-Methylphenol	4220	4	4000	0	106	80	120	0		
4-Nitroaniline	3920	4	4000	0	98	80	120	0		
4-Nitrophenol	4150	20	4000	0	104	60	140	0		
Acenaphthene	3840	4	4000	0	96	80	120	0		
Acenaphthylene	3900	4	4000	0	97.5	80	120	0		
Aniline	3730	4	4000	0	93.2	80	120	0		
Anthracene	3860	4	4000	0	96.5	80	120	0		
Benzo[a]anthracene	3950	4	4000	0	98.8	80	120	0		
Benzo[a]pyrene	4120	4	4000	0	103	80	120	0		
Benzo[b]fluoranthene	4040	4	4000	0	101	80	120	0		
Benzo[g,h,i]perylene	4090	4	4000	0	102	80	120	0		
Benzo[k]fluoranthene	4350	4	4000	0	109	80	120	0		
Benzoic acid	5060	10	4000	0	127	70	130	0		
Benzyl alcohol	4470	10	4000	0	112	70	130	0		
Bis(2-chloroethoxy)methane	4040	4	4000	0	101	80	120	0		
Bis(2-chloroethyl)ether	3730	4	4000	0	93.2	80	120	0		
Bis(2-chloroisopropyl)ether	3730	4	4000	0	93.2	80	120	0		
Bis(2-ethylhexyl)phthalate	4340	4	4000	0	108	80	120	0		
Butyl benzyl phthalate	4420	10	4000	0	110	80	120	0		
Carbazole	3970	4	4000	0	99.2	80	120	0		
Chrysene	4000	4	4000	0	100	80	120	0		
Di-n-butyl phthalate	4130	10	4000	0	103	80	120	0		
Di-n-octyl phthalate	4600	10	4000	0	115	80	120	0		
Dibenz[a,h]anthracene	4400	4	4000	0	110	80	120	0		
Dibenzofuran	3880	4	4000	0	97	80	120	0		
Diethyl phthalate	3860	10	4000	0	96.5	80	120	0		
Dimethyl phthalate	3950	10	4000	0	98.8	80	120	0		
Fluoranthene	4070	4	4000	0	102	80	120	0		
Fluorene	3860	4	4000	0	96.5	80	120	0		
Hexachlorobenzene	4290	4	4000	0	107	80	120	0		
Hexachlorobutadiene	4180	4	4000	0	104	80	120	0		
Hexachlorocyclopentadiene	3520	10	4000	0	88	70	130	0		
Hexachloroethane	3750	4	4000	0	93.8	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	ICV-050907	Batch ID:	R23419	TestNo:	SW8270C	Units:	µg/L
SampType	ICV	Run ID:	GCMS3_050907A	Analysis Date:	9/6/2005 10:39:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Indeno[1,2,3-cd]pyrene	4330	4	4000	0	108	80	120	0		
Isophorone	4230	4	4000	0	106	80	120	0		
N-Nitrosodi-n-propylamine	4170	4	4000	0	104	80	120	0		
N-Nitrosodiphenylamine	4040	4	4000	0	101	80	120	0		
Naphthalene	3780	4	4000	0	94.5	80	120	0		
Nitrobenzene	3850	4	4000	0	96.2	80	120	0		
Pentachlorophenol	4220	4	4000	0	106	80	120	0		
Phenanthrene	3890	4	4000	0	97.2	80	120	0		
Phenol	4020	4	4000	0	101	80	120	0		
Pyrene	4060	4	4000	0	102	80	120	0		
Pyridine	4070	10	4000	0	102	70	130	0		
Surr: 2,4,6-Tribromophenol	4200	0	4000	0	105	80	120	0		
Surr: 2-Fluorobiphenyl	4020	0	4000	0	101	80	120	0		
Surr: 2-Fluorophenol	3810	0	4000	0	95.2	80	120	0		
Surr: 4-Terphenyl-d14	4360	0	4000	0	109	80	120	0		
Surr: Nitrobenzene-d5	3960	0	4000	0	99	80	120	0		
Surr: Phenol-d6	4080	0	4000	0	102	80	120	0		

Sample ID	ICV2-050907	Batch ID:	R23419	TestNo:	SW8270C	Units:	µg/L
SampType	ICV	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 9:45:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3880	4	4000	0	97	80	120	0		
1,2-Dichlorobenzene	3720	4	4000	0	93	80	120	0		
1,3-Dichlorobenzene	3850	4	4000	0	96.2	80	120	0		
1,4-Dichlorobenzene	3860	4	4000	0	96.5	80	120	0		
2,4,5-Trichlorophenol	4360	4	4000	0	109	80	120	0		
2,4,6-Trichlorophenol	4420	4	4000	0	110	80	120	0		
2,4-Dichlorophenol	4400	4	4000	0	110	80	120	0		
2,4-Dimethylphenol	3510	4	4000	0	87.8	80	120	0		
2,4-Dinitrophenol	4650	20	4000	0	116	80	120	0		
2,4-Dinitrotoluene	3920	4	4000	0	98	80	120	0		
2,6-Dinitrotoluene	4110	4	4000	0	103	80	120	0		
2-Chloronaphthalene	4040	4	4000	0	101	80	120	0		
2-Chlorophenol	3800	4	4000	0	95	80	120	0		
2-Methylnaphthalene	4080	4	4000	0	102	80	120	0		
2-Methylphenol	4520	4	4000	0	113	80	120	0		
2-Nitroaniline	4450	4	4000	0	111	80	120	0		
2-Nitrophenol	4140	4	4000	0	104	80	120	0		
3,3´-Dichlorobenzidine	4120	4	4000	0	103	70	130	0		
3-Nitroaniline	3850	4	4000	0	96.2	80	120	0		
4,6-Dinitro-2-methylphenol	4490	10	4000	0	112	70	130	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS3_050907A

Sample ID	ICV2-050907	Batch ID:	R23419	TestNo:	SW8270C	Units:	µg/L
SampType	ICV	Run ID:	GCMS3_050907A	Analysis Date:	9/7/2005 9:45:00 AM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	4290	4	4000	0	107	80	120	0		
4-Chloro-3-methylphenol	4280	4	4000	0	107	70	130	0		
4-Chloroaniline	4150	10	4000	0	104	80	120	0		
4-Chlorophenyl phenyl ether	4050	4	4000	0	101	80	120	0		
4-Methylphenol	4350	4	4000	0	109	80	120	0		
4-Nitroaniline	3810	4	4000	0	95.2	80	120	0		
4-Nitrophenol	3860	20	4000	0	96.5	60	140	0		
Acenaphthene	3810	4	4000	0	95.2	80	120	0		
Acenaphthylene	3910	4	4000	0	97.8	80	120	0		
Aniline	3750	4	4000	0	93.8	80	120	0		
Anthracene	3860	4	4000	0	96.5	80	120	0		
Benzo[a]anthracene	3970	4	4000	0	99.2	80	120	0		
Benzo[a]pyrene	4090	4	4000	0	102	80	120	0		
Benzo[b]fluoranthene	3960	4	4000	0	99	80	120	0		
Benzo[g,h,i]perylene	3970	4	4000	0	99.2	80	120	0		
Benzo[k]fluoranthene	4300	4	4000	0	108	80	120	0		
Benzoic acid	4540	10	4000	0	114	70	130	0		
Benzyl alcohol	4520	10	4000	0	113	70	130	0		
Bis(2-chloroethoxy)methane	4000	4	4000	0	100	80	120	0		
Bis(2-chloroethyl)ether	3740	4	4000	0	93.5	80	120	0		
Bis(2-chloroisopropyl)ether	3590	4	4000	0	89.8	80	120	0		
Bis(2-ethylhexyl)phthalate	4190	4	4000	0	105	80	120	0		
Butyl benzyl phthalate	4300	10	4000	0	108	80	120	0		
Carbazole	4000	4	4000	0	100	80	120	0		
Chrysene	4040	4	4000	0	101	80	120	0		
Di-n-butyl phthalate	4100	10	4000	0	103	80	120	0		
Di-n-octyl phthalate	4320	10	4000	0	108	80	120	0		
Dibenz[a,h]anthracene	4240	4	4000	0	106	80	120	0		
Dibenzofuran	3830	4	4000	0	95.8	80	120	0		
Diethyl phthalate	3730	10	4000	0	93.2	80	120	0		
Dimethyl phthalate	3850	10	4000	0	96.2	80	120	0		
Fluoranthene	4140	4	4000	0	104	80	120	0		
Fluorene	3760	4	4000	0	94	80	120	0		
Hexachlorobenzene	4360	4	4000	0	109	80	120	0		
Hexachlorobutadiene	4240	4	4000	0	106	80	120	0		
Hexachlorocyclopentadiene	3550	10	4000	0	88.8	70	130	0		
Hexachloroethane	3780	4	4000	0	94.5	80	120	0		
Indeno[1,2,3-cd]pyrene	4200	4	4000	0	105	80	120	0		
Isophorone	4140	4	4000	0	104	80	120	0		
N-Nitrosodi-n-propylamine	4200	4	4000	0	105	80	120	0		
N-Nitrosodiphenylamine	4060	4	4000	0	102	80	120	0		
Naphthalene	3740	4	4000	0	93.5	80	120	0		

Qualifiers:
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J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GCMS3_050907A**

Sample ID	**ICV2-050907**	Batch ID:	**R23419**	TestNo:	**SW8270C**	Units:	**µg/L**
SampType	**ICV**	Run ID:	**GCMS3_050907A**	Analysis Date:	**9/7/2005 9:45:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrobenzene	3670	4	4000	0	91.8	80	120	0		
Pentachlorophenol	4300	4	4000	0	108	80	120	0		
Phenanthrene	3840	4	4000	0	96	80	120	0		
Phenol	4080	4	4000	0	102	80	120	0		
Pyrene	4040	4	4000	0	101	80	120	0		
Pyridine	4090	10	4000	0	102	70	130	0		
Surr: 2,4,6-Tribromophenol	4290	0	4000	0	107	80	120	0		
Surr: 2-Fluorobiphenyl	4040	0	4000	0	101	80	120	0		
Surr: 2-Fluorophenol	3810	0	4000	0	95.2	80	120	0		
Surr: 4-Terphenyl-d14	4380	0	4000	0	110	80	120	0		
Surr: Nitrobenzene-d5	3810	0	4000	0	95.2	80	120	0		
Surr: Phenol-d6	4120	0	4000	0	103	80	120	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	**MB-20103**	Batch ID:	**20103**	TestNo:	**SW8260B**	Units:	**µg/L**
SampType	**MBLK**	Run ID:	**GCMS5_050830A**	Analysis Date:	**8/30/2005 9:58:00 PM**	Prep Date:	**8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,1,2-Trichloroethane	ND	1								
1,1-Dichloroethane	ND	1								
1,1-Dichloroethene	ND	1								
1,1-Dichloropropene	ND	1								
1,2,3-Trichlorobenzene	ND	5								
1,2,3-Trichloropropane	ND	1								
1,2,4-Trichlorobenzene	ND	5								
1,2,4-Trimethylbenzene	ND	5								
1,2-Dibromo-3-chloropropane	ND	10								
1,2-Dibromoethane	ND	1								
1,2-Dichlorobenzene	ND	1								
1,2-Dichloroethane	ND	1								
1,2-Dichloropropane	ND	1								
1,3,5-Trimethylbenzene	ND	5								
1,3-Dichlorobenzene	ND	1								
1,3-Dichloropropane	ND	1								
1,4-Dichlorobenzene	ND	1								
2,2-Dichloropropane	ND	1								
2-Butanone	ND	15								
2-Chloroethylvinylether	ND	15								
2-Chlorotoluene	ND	1								
2-Hexanone	ND	15								
4-Chlorotoluene	ND	1								
4-Methyl-2-pentanone	ND	15								
Acetone	ND	15								
Benzene	ND	1								
Bromobenzene	ND	1								
Bromochloromethane	ND	1								
Bromodichloromethane	ND	1								
Bromoform	ND	1								
Bromomethane	ND	1								
Carbon disulfide	ND	15								
Carbon tetrachloride	ND	1								
Chlorobenzene	ND	1								
Chloroethane	ND	1								
Chloroform	ND	1								
Chloromethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
cis-1,3-Dichloropropene	ND	1								

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	MB-20103	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MBLK	Run ID:	GCMS5_050830A	Analysis Date:	8/30/2005 9:58:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1								
Dibromomethane	ND	1								
Dichlorodifluoromethane	ND	1								
Ethylbenzene	ND	1								
Hexachlorobutadiene	ND	3								
Iodomethane	ND	15								
Isopropylbenzene	ND	1								
m,p-Xylene	ND	2								
Methyl tert-butyl ether	ND	1								
Methylene chloride	ND	2.5								
n-Butylbenzene	ND	1								
n-Propylbenzene	ND	1								
Naphthalene	ND	15								
o-Xylene	ND	1								
p-Isopropyltoluene	ND	1								
sec-Butylbenzene	ND	1								
Styrene	ND	1								
tert-Butylbenzene	ND	1								
Tetrachloroethene	ND	2								
Toluene	ND	2								
trans-1,2-Dichloroethene	ND	1								
trans-1,3-Dichloropropene	ND	1								
Trichloroethene	ND	2								
Trichlorofluoromethane	ND	1								
Vinyl chloride	ND	1								
Surr: 1,2-Dichloroethane-d4	51.62	0	50	0	103	72	119	0		
Surr: 4-Bromofluorobenzene	47.73	0	50	0	95.5	76	119	0		
Surr: Dibromofluoromethane	52.55	0	50	0	105	85	115	0		
Surr: Toluene-d8	47.56	0	50	0	95.1	81	120	0		

Sample ID	LCS-20103	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	LCS	Run ID:	GCMS5_050830A	Analysis Date:	8/30/2005 7:33:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25.3	1	23.2	0	109	81	129	0		
1,1,1-Trichloroethane	24.72	1	23.2	0	107	67	132	0		
1,1,2,2-Tetrachloroethane	24.43	1	23.2	0	105	63	128	0		
1,1,2-Trichloroethane	24.5	1	23.2	0	106	75	125	0		
1,1-Dichloroethane	24.24	1	23.2	0	104	69	133	0		
1,1-Dichloroethene	23.88	1	23.2	0	103	68	130	0		
1,1-Dichloropropene	25.35	1	23.2	0	109	73	132	0		
1,2,3-Trichlorobenzene	26.35	5	23.2	0	114	67	137	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	LCS-20103	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	LCS	Run ID:	GCMS5_050830A	Analysis Date:	8/30/2005 7:33:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	24.73	1	23.2	0	107	73	124	0		
1,2,4-Trichlorobenzene	25.45	5	23.2	0	110	66	134	0		
1,2,4-Trimethylbenzene	25.92	5	23.2	0	112	74	132	0		
1,2-Dibromo-3-chloropropane	23.76	10	23.2	0	102	50	132	0		
1,2-Dibromoethane	24.12	1	23.2	0	104	80	121	0		
1,2-Dichlorobenzene	23.68	1	23.2	0	102	75	125	0		
1,2-Dichloroethane	23.3	1	23.2	0	100	68	127	0		
1,2-Dichloropropane	24.89	1	23.2	0	107	75	125	0		
1,3,5-Trimethylbenzene	26.51	5	23.2	0	114	74	131	0		
1,3-Dichlorobenzene	24.58	1	23.2	0	106	75	124	0		
1,3-Dichloropropane	24.24	1	23.2	0	104	73	126	0		
1,4-Dichlorobenzene	24.98	1	23.2	0	108	74	123	0		
2,2-Dichloropropane	24.24	1	23.2	0	104	69	137	0		
2-Butanone	26.13	15	23.2	0	113	60	135	0		
2-Chloroethylvinylether	24.61	15	23.2	0	106	50	150	0		
2-Chlorotoluene	24.98	1	23.2	0	108	73	126	0		
2-Hexanone	24.22	15	23.2	0	104	50	150	0		
4-Chlorotoluene	25.13	1	23.2	0	108	74	128	0		
4-Methyl-2-pentanone	25.98	15	23.2	0	112	60	135	0		
Acetone	24.57	15	23.2	0	106	40	135	0		
Benzene	24.63	1	23.2	0	106	80	120	0		
Bromobenzene	23.77	1	23.2	0	102	76	124	0		
Bromochloromethane	24.3	1	23.2	0	105	65	129	0		
Bromodichloromethane	24.61	1	23.2	0	106	76	121	0		
Bromoform	25.64	1	23.2	0	111	69	128	0		
Bromomethane	23.87	1	23.2	0	103	53	141	0		
Carbon disulfide	23.7	15	23.2	0	102	50	150	0		
Carbon tetrachloride	24.07	1	23.2	0	104	66	138	0		
Chlorobenzene	24.5	1	23.2	0	106	81	122	0		
Chloroethane	23.66	1	23.2	0	102	58	133	0		
Chloroform	24.33	1	23.2	0	105	69	128	0		
Chloromethane	23.27	1	23.2	0	100	56	131	0		
cis-1,2-Dichloroethene	25.06	1	23.2	0	108	72	126	0		
cis-1,3-Dichloropropene	25.02	1	23.2	0	108	69	131	0		
Dibromochloromethane	23.99	1	23.2	0	103	66	133	0		
Dibromomethane	25.03	1	23.2	0	108	76	125	0		
Dichlorodifluoromethane	22.75	1	23.2	0	98.1	53	153	0		
Ethylbenzene	25.87	1	23.2	0	112	80	120	0		
Hexachlorobutadiene	24.54	3	23.2	0	106	67	131	0		
Iodomethane	21.48	15	23.2	0	92.6	50	150	0		
Isopropylbenzene	25.83	1	23.2	0	111	75	127	0		
m,p-Xylene	53.26	2	46.4	0	115	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	LCS-20103	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	LCS	Run ID:	GCMS5_050830A	Analysis Date:	8/30/2005 7:33:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether	25.51	1	23.2	0	110	68	130	0		
Methylene chloride	24.35	2.5	23.2	0	105	63	137	0		
n-Butylbenzene	25.79	1	23.2	0	111	69	137	0		
n-Propylbenzene	25.6	1	23.2	0	110	72	129	0		
Naphthalene	25.86	15	23.2	0	111	54	138	0		
o-Xylene	25.36	1	23.2	0	109	80	120	0		
p-Isopropyltoluene	24.91	1	23.2	0	107	73	130	0		
sec-Butylbenzene	26.17	1	23.2	0	113	72	127	0		
Styrene	26.38	1	23.2	0	114	65	134	0		
tert-Butylbenzene	26.05	1	23.2	0	112	70	129	0		
Tetrachloroethene	24.44	2	23.2	0	105	66	128	0		
Toluene	24.6	2	23.2	0	106	80	120	0		
trans-1,2-Dichloroethene	24.64	1	23.2	0	106	63	137	0		
trans-1,3-Dichloropropene	26.24	1	23.2	0	113	59	135	0		
Trichloroethene	24.53	2	23.2	0	106	70	127	0		
Trichlorofluoromethane	22.36	1	23.2	0	96.4	57	129	0		
Vinyl chloride	23.41	1	23.2	0	101	50	134	0		
Surr: 1,2-Dichloroethane-d4	49.15	0	50	0	98.3	72	119	0		
Surr: 4-Bromofluorobenzene	47.96	0	50	0	95.9	76	119	0		
Surr: Dibromofluoromethane	50.77	0	50	0	102	85	115	0		
Surr: Toluene-d8	48.39	0	50	0	96.8	81	120	0		

Sample ID	0508225-01B MS	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MS	Run ID:	GCMS5_050830A	Analysis Date:	8/31/2005 5:10:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	25.16	1	23.2	0	108	81	129	0		
1,1,1-Trichloroethane	24.33	1	23.2	0	105	67	132	0		
1,1,2,2-Tetrachloroethane	23.68	1	23.2	0	102	63	128	0		
1,1,2-Trichloroethane	24.08	1	23.2	0	104	75	125	0		
1,1-Dichloroethane	24.55	1	23.2	0	106	69	133	0		
1,1-Dichloroethene	23.67	1	23.2	0	102	68	130	0		
1,1-Dichloropropene	24.21	1	23.2	0	104	73	132	0		
1,2,3-Trichlorobenzene	22.14	5	23.2	0	95.4	67	137	0		
1,2,3-Trichloropropane	23.78	1	23.2	0	102	73	124	0		
1,2,4-Trichlorobenzene	22.17	5	23.2	0	95.6	66	134	0		
1,2,4-Trimethylbenzene	25	5	23.2	0	108	74	132	0		
1,2-Dibromo-3-chloropropane	21.08	10	23.2	0	90.9	50	132	0		
1,2-Dibromoethane	23.25	1	23.2	0	100	80	121	0		
1,2-Dichlorobenzene	23.11	1	23.2	0	99.6	75	125	0		
1,2-Dichloroethane	23.47	1	23.2	0	101	68	127	0		
1,2-Dichloropropane	24.7	1	23.2	0	106	75	125	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	0508225-01B MS	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MS	Run ID:	GCMS5_050830A	Analysis Date:	8/31/2005 5:10:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	25.29	5	23.2	0	109	74	131	0		
1,3-Dichlorobenzene	23.34	1	23.2	0	101	75	124	0		
1,3-Dichloropropane	23.02	1	23.2	0	99.2	73	126	0		
1,4-Dichlorobenzene	23.34	1	23.2	0	101	74	123	0		
2,2-Dichloropropane	18.39	1	23.2	0	79.3	69	137	0		
2-Butanone	23.92	15	23.2	0	103	60	135	0		
2-Chlorotoluene	23.98	1	23.2	0	103	73	126	0		
2-Hexanone	21.99	15	23.2	0	94.8	50	150	0		
4-Chlorotoluene	23.49	1	23.2	0	101	74	128	0		
4-Methyl-2-pentanone	23.61	15	23.2	0	102	60	135	0		
Acetone	28.14	15	23.2	0	121	40	135	0		
Benzene	24.62	1	23.2	0	106	80	120	0		
Bromobenzene	23.11	1	23.2	0	99.6	76	124	0		
Bromochloromethane	24.07	1	23.2	0	104	65	129	0		
Bromodichloromethane	24.57	1	23.2	0	106	76	121	0		
Bromoform	24.24	1	23.2	0	104	69	128	0		
Bromomethane	16.39	1	23.2	0	70.6	53	141	0		
Carbon disulfide	23.29	15	23.2	0	100	50	150	0		
Carbon tetrachloride	24.15	1	23.2	0	104	66	138	0		
Chlorobenzene	23.96	1	23.2	0	103	81	122	0		
Chloroethane	25.84	1	23.2	0	111	58	133	0		
Chloroform	24.53	1	23.2	0	106	69	128	0		
Chloromethane	22.56	1	23.2	0	97.2	56	131	0		
cis-1,2-Dichloroethene	24.82	1	23.2	0	107	72	126	0		
cis-1,3-Dichloropropene	22.76	1	23.2	0	98.1	69	131	0		
Dibromochloromethane	23.32	1	23.2	0	101	66	133	0		
Dibromomethane	24.13	1	23.2	0	104	76	125	0		
Dichlorodifluoromethane	21.76	1	23.2	0	93.8	53	153	0		
Ethylbenzene	24.96	1	23.2	0	108	80	120	0		
Hexachlorobutadiene	20.57	3	23.2	0	88.7	67	131	0		
Iodomethane	18.84	15	23.2	0	81.2	50	150	0		
Isopropylbenzene	24.82	1	23.2	0	107	75	127	0		
m,p-Xylene	50.85	2	46.4	0	110	80	120	0		
Methyl tert-butyl ether	24.66	1	23.2	0	106	68	130	0		
Methylene chloride	24.35	2.5	23.2	0	105	63	137	0		
n-Butylbenzene	22	1	23.2	0	94.8	69	137	0		
n-Propylbenzene	23.55	1	23.2	0	102	72	129	0		
Naphthalene	24.15	15	23.2	0	104	54	138	0		
o-Xylene	24.68	1	23.2	0	106	80	120	0		
p-Isopropyltoluene	22.93	1	23.2	0	98.8	73	130	0		
sec-Butylbenzene	24.03	1	23.2	0	104	72	127	0		
Styrene	25.18	1	23.2	0	109	65	134	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID **0508225-01B MS**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MS**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:10:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
tert-Butylbenzene	24.73	1	23.2	0	107	70	129	0		
Tetrachloroethene	22.2	2	23.2	0	95.7	66	128	0		
Toluene	24.69	2	23.2	0	106	80	120	0		
trans-1,2-Dichloroethene	24.1	1	23.2	0	104	63	137	0		
trans-1,3-Dichloropropene	24.12	1	23.2	0	104	59	135	0		
Trichloroethene	24.1	2	23.2	0	104	70	127	0		
Trichlorofluoromethane	22.95	1	23.2	0	98.9	57	129	0		
Vinyl chloride	23.77	1	23.2	0	102	50	134	0		
Surr: 1,2-Dichloroethane-d4	49.8	0	50	0	99.6	72	119	0		
Surr: 4-Bromofluorobenzene	48.06	0	50	0	96.1	76	119	0		
Surr: Dibromofluoromethane	51.86	0	50	0	104	85	115	0		
Surr: Toluene-d8	48.1	0	50	0	96.2	81	120	0		

Sample ID **0508225-01B MSD**	Batch ID: **20103**	TestNo: **SW8260B**	Units: **µg/L**
SampType **MSD**	Run ID: **GCMS5_050830A**	Analysis Date: **8/31/2005 5:34:00 AM**	Prep Date: **8/30/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	24.66	1	23.2	0	106	81	129	2.01	20	
1,1,1-Trichloroethane	23.99	1	23.2	0	103	67	132	1.41	20	
1,1,2,2-Tetrachloroethane	22.54	1	23.2	0	97.2	63	128	4.93	20	
1,1,2-Trichloroethane	23.76	1	23.2	0	102	75	125	1.34	20	
1,1-Dichloroethane	23.41	1	23.2	0	101	69	133	4.75	20	
1,1-Dichloroethene	23.28	1	23.2	0	100	68	130	1.66	20	
1,1-Dichloropropene	23.64	1	23.2	0	102	73	132	2.38	20	
1,2,3-Trichlorobenzene	22.18	5	23.2	0	95.6	67	137	0.181	20	
1,2,3-Trichloropropane	22.59	1	23.2	0	97.4	73	124	5.13	20	
1,2,4-Trichlorobenzene	21.51	5	23.2	0	92.7	66	134	3.02	20	
1,2,4-Trimethylbenzene	23.77	5	23.2	0	102	74	132	5.04	20	
1,2-Dibromo-3-chloropropane	20.55	10	23.2	0	88.6	50	132	2.55	20	
1,2-Dibromoethane	22.74	1	23.2	0	98	80	121	2.22	20	
1,2-Dichlorobenzene	22.38	1	23.2	0	96.5	75	125	3.21	20	
1,2-Dichloroethane	22.82	1	23.2	0	98.4	68	127	2.81	20	
1,2-Dichloropropane	23.84	1	23.2	0	103	75	125	3.54	20	
1,3,5-Trimethylbenzene	24.64	5	23.2	0	106	74	131	2.60	20	
1,3-Dichlorobenzene	22.75	1	23.2	0	98.1	75	124	2.56	20	
1,3-Dichloropropane	23.03	1	23.2	0	99.3	73	126	0.0434	20	
1,4-Dichlorobenzene	22.78	1	23.2	0	98.2	74	123	2.43	20	
2,2-Dichloropropane	17.46	1	23.2	0	75.3	69	137	5.19	20	
2-Butanone	22.62	15	23.2	0	97.5	60	135	5.59	20	
2-Chlorotoluene	23.25	1	23.2	0	100	73	126	3.09	20	
2-Hexanone	21.15	15	23.2	0	91.2	50	150	3.89	20	
4-Chlorotoluene	22.86	1	23.2	0	98.5	74	128	2.72	20	

Qualifiers:
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CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	0508225-01B MSD	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MSD	Run ID:	GCMS5_050830A	Analysis Date:	8/31/2005 5:34:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	22.55	15	23.2	0	97.2	60	135	4.59	20	
Acetone	26.95	15	23.2	0	116	40	135	4.32	20	
Benzene	24.09	1	23.2	0	104	80	120	2.18	20	
Bromobenzene	22.56	1	23.2	0	97.2	76	124	2.41	20	
Bromochloromethane	23.6	1	23.2	0	102	65	129	1.97	20	
Bromodichloromethane	23.8	1	23.2	0	103	76	121	3.18	20	
Bromoform	23.28	1	23.2	0	100	69	128	4.04	20	
Bromomethane	16.5	1	23.2	0	71.1	53	141	0.669	20	
Carbon disulfide	22.77	15	23.2	0	98.1	50	150	2.26	20	
Carbon tetrachloride	23.62	1	23.2	0	102	66	138	2.22	20	
Chlorobenzene	23.51	1	23.2	0	101	81	122	1.90	20	
Chloroethane	24.51	1	23.2	0	106	58	133	5.28	20	
Chloroform	23.82	1	23.2	0	103	69	128	2.94	20	
Chloromethane	21.09	1	23.2	0	90.9	56	131	6.74	20	
cis-1,2-Dichloroethene	24.21	1	23.2	0	104	72	126	2.49	20	
cis-1,3-Dichloropropene	22.57	1	23.2	0	97.3	69	131	0.838	20	
Dibromochloromethane	22.74	1	23.2	0	98	66	133	2.52	20	
Dibromomethane	23.67	1	23.2	0	102	76	125	1.92	20	
Dichlorodifluoromethane	20.51	1	23.2	0	88.4	53	153	5.91	20	
Ethylbenzene	24.7	1	23.2	0	106	80	120	1.05	20	
Hexachlorobutadiene	20.13	3	23.2	0	86.8	67	131	2.16	20	
Iodomethane	18.15	15	23.2	0	78.2	50	150	3.73	20	
Isopropylbenzene	24.81	1	23.2	0	107	75	127	0.0403	20	
m,p-Xylene	50.96	2	46.4	0	110	80	120	0.216	20	
Methyl tert-butyl ether	23.94	1	23.2	0	103	68	130	2.96	20	
Methylene chloride	23.84	2.5	23.2	0	103	63	137	2.12	20	
n-Butylbenzene	21.39	1	23.2	0	92.2	69	137	2.81	20	
n-Propylbenzene	23.31	1	23.2	0	100	72	129	1.02	20	
Naphthalene	22.37	15	23.2	0	96.4	54	138	7.65	20	
o-Xylene	24.39	1	23.2	0	105	80	120	1.18	20	
p-Isopropyltoluene	22.2	1	23.2	0	95.7	73	130	3.24	20	
sec-Butylbenzene	23.76	1	23.2	0	102	72	127	1.13	20	
Styrene	25.04	1	23.2	0	108	65	134	0.558	20	
tert-Butylbenzene	24.08	1	23.2	0	104	70	129	2.66	20	
Tetrachloroethene	21.67	2	23.2	0	93.4	66	128	2.42	20	
Toluene	24.14	2	23.2	0	104	80	120	2.25	20	
trans-1,2-Dichloroethene	23.52	1	23.2	0	101	63	137	2.44	20	
trans-1,3-Dichloropropene	23.75	1	23.2	0	102	59	135	1.55	20	
Trichloroethene	23.11	2	23.2	0	99.6	70	127	4.19	20	
Trichlorofluoromethane	21.9	1	23.2	0	94.4	57	129	4.68	20	
Vinyl chloride	23.15	1	23.2	0	99.8	50	134	2.64	20	
Surr: 1,2-Dichloroethane-d4	48.69	0	50	0	97.4	72	119	0	0	

Qualifiers:
ND - Not Detected at the Method Detection Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	0508225-01B MSD	Batch ID:	20103	TestNo:	SW8260B	Units:	µg/L
SampType	MSD	Run ID:	GCMS5_050830A	Analysis Date:	8/31/2005 5:34:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47.65	0	50	0	95.3	76	119	0	0	
Surr: Dibromofluoromethane	51.45	0	50	0	103	85	115	0	0	
Surr: Toluene-d8	48.24	0	50	0	96.5	81	120	0	0	

Sample ID	ICV-050830	Batch ID:	R23342	TestNo:	SW8260B	Units:	µg/L
SampType	ICV	Run ID:	GCMS5_050830A	Analysis Date:	8/30/2005 7:00:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.76	1	46.4	0	98.6	80	120	0		
1,1,1-Trichloroethane	44.38	1	46.4	0	95.6	80	120	0		
1,1,2,2-Tetrachloroethane	45.97	1	46.4	0	99.1	80	120	0		
1,1,2-Trichloroethane	44.56	1	46.4	0	96	80	120	0		
1,1-Dichloroethane	44.14	1	46.4	0	95.1	80	120	0		
1,1-Dichloroethene	42.78	1	46.4	0	92.2	80	120	0		
1,1-Dichloropropene	46.46	1	46.4	0	100	80	120	0		
1,2,3-Trichlorobenzene	48.61	5	46.4	0	105	80	120	0		
1,2,3-Trichloropropane	45.03	1	46.4	0	97	80	120	0		
1,2,4-Trichlorobenzene	48.86	5	46.4	0	105	80	120	0		
1,2,4-Trimethylbenzene	49.89	5	46.4	0	108	80	120	0		
1,2-Dibromo-3-chloropropane	45.4	10	46.4	0	97.8	80	120	0		
1,2-Dibromoethane	46.06	1	46.4	0	99.3	80	120	0		
1,2-Dichlorobenzene	45.61	1	46.4	0	98.3	80	120	0		
1,2-Dichloroethane	41.37	1	46.4	0	89.2	80	120	0		
1,2-Dichloropropane	45.16	1	46.4	0	97.3	80	120	0		
1,3,5-Trimethylbenzene	49.95	5	46.4	0	108	80	120	0		
1,3-Dichlorobenzene	46.03	1	46.4	0	99.2	80	120	0		
1,3-Dichloropropane	45	1	46.4	0	97	80	120	0		
1,4-Dichlorobenzene	45.75	1	46.4	0	98.6	80	120	0		
2,2-Dichloropropane	45.61	1	46.4	0	98.3	80	120	0		
2-Butanone	48.78	15	46.4	0	105	80	120	0		
2-Chloroethylvinylether	46.28	15	46.4	0	99.7	80	120	0		
2-Chlorotoluene	47.09	1	46.4	0	101	80	120	0		
2-Hexanone	44.65	15	46.4	0	96.2	80	120	0		
4-Chlorotoluene	47.42	1	46.4	0	102	80	120	0		
4-Methyl-2-pentanone	49.34	15	46.4	0	106	80	120	0		
Acetone	46.38	15	46.4	0	100	80	120	0		
Benzene	44.71	1	46.4	0	96.4	80	120	0		
Bromobenzene	44.83	1	46.4	0	96.6	80	120	0		
Bromochloromethane	43.27	1	46.4	0	93.3	80	120	0		
Bromodichloromethane	44.53	1	46.4	0	96	80	120	0		
Bromoform	48.15	1	46.4	0	104	80	120	0		
Bromomethane	42.74	1	46.4	0	92.1	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_050830A

Sample ID	ICV-050830	Batch ID:	R23342	TestNo:	SW8260B	Units:	µg/L
SampType	ICV	Run ID:	GCMS5_050830A	Analysis Date:	8/30/2005 7:00:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Carbon disulfide	42.48	15	46.4	0	91.6	80	120	0		
Carbon tetrachloride	44.98	1	46.4	0	96.9	80	120	0		
Chlorobenzene	44.86	1	46.4	0	96.7	80	120	0		
Chloroethane	47.17	1	46.4	0	102	80	120	0		
Chloroform	43.91	1	46.4	0	94.6	80	120	0		
Chloromethane	41.8	1	46.4	0	90.1	80	120	0		
cis-1,2-Dichloroethene	44.42	1	46.4	0	95.7	80	120	0		
cis-1,3-Dichloropropene	47.03	1	46.4	0	101	80	120	0		
Dibromochloromethane	45.63	1	46.4	0	98.3	80	120	0		
Dibromomethane	44.53	1	46.4	0	96	80	120	0		
Dichlorodifluoromethane	42.07	1	46.4	0	90.7	80	120	0		
Ethylbenzene	46.72	1	46.4	0	101	80	120	0		
Hexachlorobutadiene	49.27	3	46.4	0	106	80	120	0		
Iodomethane	41.46	15	46.4	0	89.4	80	120	0		
Isopropylbenzene	50.5	1	46.4	0	109	80	120	0		
m,p-Xylene	97.98	2	92.8	0	106	80	120	0		
Methyl tert-butyl ether	45.92	1	46.4	0	99	80	120	0		
Methylene chloride	46.34	2.5	46.4	0	99.9	80	120	0		
n-Butylbenzene	51.41	1	46.4	0	111	80	120	0		
n-Propylbenzene	48.14	1	46.4	0	104	80	120	0		
Naphthalene	45.7	15	46.4	0	98.5	80	120	0		
o-Xylene	49.27	1	46.4	0	106	80	120	0		
p-Isopropyltoluene	47.88	1	46.4	0	103	80	120	0		
sec-Butylbenzene	49.78	1	46.4	0	107	80	120	0		
Styrene	49.33	1	46.4	0	106	80	120	0		
tert-Butylbenzene	50.04	1	46.4	0	108	80	120	0		
Tetrachloroethene	45.78	2	46.4	0	98.7	80	120	0		
Toluene	44.53	2	46.4	0	96	80	120	0		
trans-1,2-Dichloroethene	44.99	1	46.4	0	97	80	120	0		
trans-1,3-Dichloropropene	46.93	1	46.4	0	101	80	120	0		
Trichloroethene	44.92	2	46.4	0	96.8	80	120	0		
Trichlorofluoromethane	39.86	1	46.4	0	85.9	80	120	0		
Vinyl chloride	43.33	1	46.4	0	93.4	80	120	0		
Surr: 1,2-Dichloroethane-d4	48.2	0	50	0	96.4	72	119	0		
Surr: 4-Bromofluorobenzene	49.8	0	50	0	99.6	76	119	0		
Surr: Dibromofluoromethane	49.6	0	50	0	99.2	85	115	0		
Surr: Toluene-d8	49.48	0	50	0	99	81	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: GC5_050830A

Sample ID	MB-050830A	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	MBLK	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								
Ethane	ND	0.002								
Ethylene	ND	0.003								

Sample ID	LCS-050830A	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	LCS	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.005294	0.001	0.00546	0	97	79	117	0		
Ethane	0.01007	0.002	0.011	0	91.5	83	120	0		
Ethylene	0.01348	0.003	0.0141	0	95.6	84	113	0		

Sample ID	LCSD-050830A	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	LCSD	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.005119	0.001	0.00546	0	93.8	79	117	3.35	20	
Ethane	0.009696	0.002	0.011	0	88.1	83	120	3.78	20	
Ethylene	0.01353	0.003	0.0141	0	96	84	113	0.418	20	

Sample ID	0508208-01G DUP	Batch ID:	DGAS_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	DUP	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001	0	0	0	0	0	0	20	
Ethane	ND	0.002	0	0	0	0	0	0	20	
Ethylene	ND	0.003	0	0	0	0	0	0	20	

Sample ID	CCV1-050830	Batch ID:	GC5_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	CCV	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000244	0.001	0.000025	0	97.6	80	120	0		
Ethane	0.0000223	0.002	0.000025	0	89.2	80	120	0		
Ethylene	0.0000221	0.003	0.000025	0	88.4	80	120	0		

Sample ID	CCV2-050830	Batch ID:	GC5_050830A	TestNo:	RSKERR	Units:	mg/L
SampType	CCV	Run ID:	GC5_050830A	Analysis Date:	8/30/2005 2:43:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000226	0.001	0.000025	0	90.4	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GC5_050830A**

Sample ID	**CCV2-050830**	Batch ID:	**GC5_050830A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC5_050830A**	Analysis Date:	**8/30/2005 2:43:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ethane	0.0000208	0.002	0.000025	0	83.2	80	120	0		
Ethylene	0.0000233	0.003	0.000025	0	93.2	80	120	0		

Sample ID	**CCV3-050830**	Batch ID:	**GC5_050830A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC5_050830A**	Analysis Date:	**8/30/2005 2:43:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000234	0.001	0.000025	0	93.6	80	120	0		

Sample ID	**ICV-050830**	Batch ID:	**GC5_050830A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC5_050830A**	Analysis Date:	**8/30/2005 2:43:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000462	0.001	0.00005	0	92.4	80	120	0		
Ethane	0.0000432	0.002	0.00005	0	86.4	80	120	0		
Ethylene	0.0000481	0.003	0.00005	0	96.2	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **GC5_050831A**

Sample ID	**MB-050831**	Batch ID:	**DGAS_050831A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**MBLK**	Run ID:	**GC5_050831A**	Analysis Date:	**8/31/2005 3:59:00 PM**	Prep Date:	**8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	ND	0.001								

Sample ID	**CCV1-050831**	Batch ID:	**GC5_050831A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**GC5_050831A**	Analysis Date:	**8/31/2005 3:59:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000238	0.001	0.000025	0	95.2	80	120	0		

Sample ID	**ICV-050831**	Batch ID:	**GC5_050831A**	TestNo:	**RSKERR**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**GC5_050831A**	Analysis Date:	**8/31/2005 3:59:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methane	0.0000475	0.001	0.00005	0	95	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050826B

Sample ID	MB-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	MBLK	Run ID:	IC_050826B	Analysis Date:	8/26/2005 10:02:21 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	ND	0.5								
Sulfate	ND	3								

Sample ID	LCS-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	LCS	Run ID:	IC_050826B	Analysis Date:	8/26/2005 10:16:21 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.321	0.5	5	0	106	90	110	0		
Sulfate	30.97	3	30	0	103	90	110	0		

Sample ID	LCSD-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	LCSD	Run ID:	IC_050826B	Analysis Date:	8/26/2005 10:30:22 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.31	0.5	5	0	106	90	110	0.214	20	
Sulfate	30.91	3	30	0	103	90	110	0.188	20	

Sample ID	0508232-01C MS	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050826B	Analysis Date:	8/26/2005 11:12:23 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.254	0.5	5	0	105	90	110	0		

Sample ID	0508237-01E MS	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	MS	Run ID:	IC_050826B	Analysis Date:	8/26/2005 4:24:37 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.203	0.5	5	0	104	90	110	0		
Sulfate	40.11	3	30	8.64	105	90	110	0		

Sample ID	0508232-01C MSD	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050826B	Analysis Date:	8/26/2005 11:26:23 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.301	0.5	5	0	106	90	110	0.881	20	

Sample ID	0508237-01E MSD	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050826B	Analysis Date:	8/26/2005 4:38:37 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.291	0.5	5	0	106	90	110	1.68	20	

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: IC_050826B

Sample ID	0508237-01E MSD	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	MSD	Run ID:	IC_050826B	Analysis Date:	8/26/2005 4:38:37 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	40.37	3	30	8.64	106	90	110	0.627	20	

Sample ID	CCV1-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	CCV	Run ID:	IC_050826B	Analysis Date:	8/26/2005 11:41:04 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.261	0.5	5	0	105	90	110	0		
Sulfate	30.53	3	30	0	102	90	110	0		

Sample ID	CCV2-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	CCV	Run ID:	IC_050826B	Analysis Date:	8/26/2005 2:15:59 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.155	0.5	5	0	103	90	110	0		
Sulfate	31	3	30	0	103	90	110	0		

Sample ID	CCV3-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	CCV	Run ID:	IC_050826B	Analysis Date:	8/26/2005 4:52:37 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	5.17	0.5	5	0	103	90	110	0		
Sulfate	30.88	3	30	0	103	90	110	0		

Sample ID	ICV-050826	Batch ID:	R23303	TestNo:	E300	Units:	mg/L
SampType	ICV	Run ID:	IC_050826B	Analysis Date:	8/26/2005 9:40:49 AM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate-N	13.67	0.5	12.5	0	109	90	110	0		
Sulfate	80.37	3	75	0	107	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

RunID: **TITRATOR_050831A**

Sample ID **LCS-050831** Batch ID: **R23347** TestNo: **E310.1** Units: **mg/L**
SampType **LCS** Run ID: **TITRATOR_050831A** Analysis Date: **8/31/2005 9:20:00 AM** Prep Date: **8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	50.08	10	50	0	100	74	129	0		

Sample ID **0508237-01E DUP** Batch ID: **R23347** TestNo: **E310.1** Units: **mg/L**
SampType **DUP** Run ID: **TITRATOR_050831A** Analysis Date: **8/31/2005 9:32:00 AM** Prep Date: **8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	19.79	10	0	19.82	0	0	0	0.170	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	19.79	10	0	19.82	0	0	0	0.170	20	

Sample ID **0508248-13B DUP** Batch ID: **R23347** TestNo: **E310.1** Units: **mg/L**
SampType **DUP** Run ID: **TITRATOR_050831A** Analysis Date: **8/31/2005 11:20:00 AM** Prep Date: **8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	156	10	0	155.7	0	0	0	0.170	20	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0	20	
Alkalinity, Total (As CaCO3)	156	10	0	155.7	0	0	0	0.170	20	

Sample ID **CCV1-050831** Batch ID: **R23347** TestNo: **E310.1** Units: **mg/L**
SampType **CCV** Run ID: **TITRATOR_050831A** Analysis Date: **8/31/2005 10:20:00 AM** Prep Date: **8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	20.48	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	77.6	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	98.08	10	100	0	98.1	90	110	0		

Sample ID **CCV2-050831** Batch ID: **R23347** TestNo: **E310.1** Units: **mg/L**
SampType **CCV** Run ID: **TITRATOR_050831A** Analysis Date: **8/31/2005 11:15:00 AM** Prep Date: **8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	20.64	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	76.64	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	97.28	10	100	0	97.3	90	110	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **TITRATOR_050831A**

Sample ID	**CCV3-050831**	Batch ID:	**R23347**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**TITRATOR_050831A**	Analysis Date:	**8/31/2005 11:28:00 AM**	Prep Date:	**8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	22	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	76	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	98	10	100	0	98	90	110	0		

Sample ID	**ICV-050831**	Batch ID:	**R23347**	TestNo:	**E310.1**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**TITRATOR_050831A**	Analysis Date:	**8/31/2005 9:14:00 AM**	Prep Date:	**8/31/2005**

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	14.72	10	0	0	0	0	0	0		
Alkalinity, Carbonate (As CaCO3)	85.92	10	0	0	0	0	0	0		
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0	0	0		
Alkalinity, Total (As CaCO3)	100.6	10	100	0	101	98	102	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050826A

Sample ID	MB-20083	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 12:56:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	ND	0.005								

Sample ID	LCS-20083	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 12:56:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.134	0.005	0.15	0	89.3	80	120	0		

Sample ID	LCSD-20083	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 12:58:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1337	0.005	0.15	0	89.2	80	120	0.179	20	

Sample ID	0508208-01F MS	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 1:08:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1297	0.005	0.15	0	86.4	50	111	0		

Sample ID	0508208-01F MSD	Batch ID:	20083	TestNo:	E376.2	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 1:10:00 PM	Prep Date:	8/26/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1298	0.005	0.15	0	86.6	50	111	0.146	30	

Sample ID	CCV1-050826	Batch ID:	R23299	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 1:23:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2738	0.005	0.3	0	91.3	80	120	0		

Sample ID	CCV2-050826	Batch ID:	R23299	TestNo:	E376.2	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050826A	Analysis Date:	8/26/2005 2:23:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2729	0.005	0.3	0	91	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: **UV/VIS_2_050826A**

Sample ID	**CCV3-050826**	Batch ID:	**R23299**	TestNo:	**E376.2**	Units:	**mg/L**
SampType	**CCV**	Run ID:	**UV/VIS_2_050826A**	Analysis Date:	**8/26/2005 2:34:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.2533	0.005	0.3	0	84.4	80	120	0		

Sample ID	**ICV-050826**	Batch ID:	**R23299**	TestNo:	**E376.2**	Units:	**mg/L**
SampType	**ICV**	Run ID:	**UV/VIS_2_050826A**	Analysis Date:	**8/26/2005 11:48:00 AM**	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfide	0.1667	0.005	0.15	0	111	80	120	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_050830A

Sample ID	MB-20104	Batch ID:	20104	TestNo:	M3500-Fe	Units:	mg/L
SampType	MBLK	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 1:05:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.1								

Sample ID	LCS-20104	Batch ID:	20104	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCS	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 1:05:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09409	0.1	0.1	0	94.1	85	115	0		

Sample ID	LCSD-20104	Batch ID:	20104	TestNo:	M3500-Fe	Units:	mg/L
SampType	LCSD	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 1:05:00 PM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.09839	0.1	0.1	0	98.4	85	115	4.47	15	

Sample ID	0508237-01H MS	Batch ID:	20104	TestNo:	M3500-Fe	Units:	mg/L
SampType	MS	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 1:28:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	4.396	1	1	3.459	93.6	85	115	0		

Sample ID	0508237-01H MSD	Batch ID:	20104	TestNo:	M3500-Fe	Units:	mg/L
SampType	MSD	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 1:28:00 AM	Prep Date:	8/30/2005

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	4.285	1	1	3.459	82.6	85	115	2.54	15	S

Sample ID	CCV-050830	Batch ID:	Ferrous-08/30/05	TestNo:	M3500-Fe	Units:	mg/L
SampType	CCV	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 1:30:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.1828	0.1	0.2	0	91.4	85	115	0		

Sample ID	ICV-050830	Batch ID:	Ferrous-08/30/05	TestNo:	M3500-Fe	Units:	mg/L
SampType	ICV	Run ID:	UV/VIS_2_050830A	Analysis Date:	8/30/2005 12:57:00 PM	Prep Date:	

Analyte	Result	RL	SPK value	SPK Ref	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron, Ferrous	0.0962	0.1	0.1	0	96.2	85	115	0		

Qualifiers:
ND - Not Detected at the Method Detection Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

MQL SUMMARY REPORT

TestNo: E300	MDL	MQL
Analyte	mg/L	mg/L
Nitrate-N	0.1	0.5
Sulfate	1	3

TestNo: SW8260B	MDL	MQL
Analyte	µg/L	µg/L
1,1,1,2-Tetrachloroethane	0.2	1
1,1,1-Trichloroethane	0.2	1
1,1,2,2-Tetrachloroethane	0.2	1
1,1,2-Trichloroethane	0.2	1
1,1-Dichloroethane	0.2	1
1,1-Dichloroethene	0.2	1
1,1-Dichloropropene	0.2	1
1,2,3-Trichlorobenzene	1.5	5
1,2,3-Trichloropropane	0.3	1
1,2,4-Trichlorobenzene	1.5	5
1,2,4-Trimethylbenzene	1.5	5
1,2-Dibromo-3-chloropropane	3	10
1,2-Dibromoethane	0.2	1
1,2-Dichlorobenzene	0.3	1
1,2-Dichloroethane	0.3	1
1,2-Dichloropropane	0.2	1
1,3,5-Trimethylbenzene	1.5	5
1,3-Dichlorobenzene	0.3	1
1,3-Dichloropropane	0.2	1
1,4-Dichlorobenzene	0.3	1
2,2-Dichloropropane	0.2	1
2-Butanone	5	15
2-Chloroethylvinylether	5	15
2-Chlorotoluene	0.3	1
2-Hexanone	5	15
4-Chlorotoluene	0.3	1
4-Methyl-2-pentanone	5	15
Acetone	5	15
Benzene	0.2	1
Bromobenzene	0.2	1
Bromochloromethane	0.2	1
Bromodichloromethane	0.2	1
Bromoform	0.2	1
Bromomethane	0.3	1
Carbon disulfide	5	15
Carbon tetrachloride	0.2	1
Chlorobenzene	0.2	1
Chloroethane	0.3	1
Chloroform	0.3	1
Chloromethane	0.3	1
cis-1,2-Dichloroethene	0.2	1
cis-1,3-Dichloropropene	0.2	1
Dibromochloromethane	0.2	1
Dibromomethane	0.2	1
Dichlorodifluoromethane	0.2	1

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

CLIENT: Battelle
Work Order: 0508237
Project: Gulfport

MQL SUMMARY REPORT

Ethylbenzene	0.3	1
Hexachlorobutadiene	1	3
Iodomethane	5	15
Isopropylbenzene	0.2	1
m,p-Xylene	0.6	2
Methyl tert-butyl ether	0.3	1
Methylene chloride	2.5	2.5
n-Butylbenzene	0.3	1
n-Propylbenzene	0.3	1
Naphthalene	5	15
o-Xylene	0.3	1
p-Isopropyltoluene	0.3	1
sec-Butylbenzene	0.3	1
Styrene	0.2	1
tert-Butylbenzene	0.3	1
Tetrachloroethene	0.6	2
Toluene	0.6	2
trans-1,2-Dichloroethene	0.2	1
trans-1,3-Dichloropropene	0.2	1
Trichloroethene	0.6	2
Trichlorofluoromethane	0.2	1
Vinyl chloride	0.1	1

TestNo: SW8270C	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
1,2,4-Trichlorobenzene	1	4
1,2-Dichlorobenzene	1	4
1,3-Dichlorobenzene	1	4
1,4-Dichlorobenzene	1	4
2,4,5-Trichlorophenol	1	4
2,4,6-Trichlorophenol	1	4
2,4-Dichlorophenol	1	4
2,4-Dimethylphenol	2	4
2,4-Dinitrophenol	1	20
2,4-Dinitrotoluene	1	4
2,6-Dinitrotoluene	1	4
2-Chloronaphthalene	1	4
2-Chlorophenol	1	4
2-Methylnaphthalene	1	4
2-Methylphenol	1	4
2-Nitroaniline	1	4
2-Nitrophenol	2	4
3,3´-Dichlorobenzidine	2	4
3-Nitroaniline	1	4
4,6-Dinitro-2-methylphenol	1	10
4-Bromophenyl phenyl ether	1	4
4-Chloro-3-methylphenol	1	4
4-Chloroaniline	1	10
4-Chlorophenyl phenyl ether	1	4
4-Methylphenol	1	4
4-Nitroaniline	2	4
4-Nitrophenol	2	20
Acenaphthene	1	4
Acenaphthylene	1	4
Aniline	1	4
Anthracene	1	4
Benzo[a]anthracene	1	4
Benzo[a]pyrene	1	4
Benzo[b]fluoranthene	1	4
Benzo[g,h,i]perylene	2	4
Benzo[k]fluoranthene	1	4
Benzoic acid	4	10
Benzyl alcohol	1	10
Bis(2-chloroethoxy)methane	1	4
Bis(2-chloroethyl)ether	1	4
Bis(2-chloroisopropyl)ether	1	4
Bis(2-ethylhexyl)phthalate	2	4
Butyl benzyl phthalate	4	10
Carbazole	1	4
Chrysene	1	4
Di-n-butyl phthalate	4	10

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

MQL SUMMARY REPORT

Di-n-octyl phthalate	4	10
Dibenz[a,h]anthracene	1	4
Dibenzofuran	1	4
Diethyl phthalate	4	10
Dimethyl phthalate	4	10
Fluoranthene	1	4
Fluorene	1	4
Hexachlorobenzene	1	4
Hexachlorobutadiene	1	4
Hexachlorocyclopentadiene	2	10
Hexachloroethane	1	4
Indeno[1,2,3-cd]pyrene	1	4
Isophorone	1	4
N-Nitrosodi-n-propylamine	1	4
N-Nitrosodiphenylamine	1	4
Naphthalene	1	4
Nitrobenzene	2	4
Pentachlorophenol	2	4
Phenanthrene	1	4
Phenol	2	4
Pyrene	1	4
Pyridine	4	10

TestNo: RSKERR	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Methane	0.0003	0.001
Ethane	0.0006	0.002
Ethylene	0.001	0.003

TestNo: M8015D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
TPH-DRO C10-C28	0.6	1
TPH-ORO >C28-C35	0.6	1

TestNo: M3500-Fe	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Iron, Ferrous	0.05	0.1

TestNo: SW6020	**MDL**	**MQL**
Analyte	**µg/L**	**µg/L**
Iron	50	100
Manganese	3	10

TestNo: E376.2	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Sulfide	0.005	0.005

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP

DHL ANALYTICAL

September 09, 2005

Lydia Cumming
Battelle
505 King Avenue
Columbus, Ohio 43201-2693

TEL: (614) 424-7778
FAX (614) 458-7778

RE: Gulfport

Order No.: 0508244

Dear Lydia Cumming:

DHL Analytical received 2 samples on 8/26/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 24675

CHAIN-OF-CUSTODY

CLIENT: BATTELLE
ADDRESS: 505 KING AVE, COLUMBUS OH, 43201
PHONE: 614 424 7778 FAX 614 424 3667
DATA REPORTED TO: LYDIA CUMMINS
ADDITIONAL REPORT COPIES TO: LDC, INC

DATE: 8/25/05 PAGE 1 OF 1
PO #: 200549 DHL WORK ORDER #: 0508244
PROJECT LOCATION OR NAME: GULFPORT
CLIENT PROJECT #: G486352-03 COLLECTOR: ETB / LC

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	SURFACE TEXTURE	FIELD NOTES
EW19	01	8/25/05	1215	OIL	AG250	1					X																			✓	
EW23	02	8/25/05	1225	OIL	AG250	1					X																			✓	
TOTAL																															

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	8/25/05 1400	FED EX
RELINQUISHED BY: (Signature) FED EX	DATE/TIME 8/26/05 0830	RECEIVED BY: (Signature) [signature]
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: 29.5 THERM #: 62
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
☐ HAND DELIVERED

DHL Analytical

Sample Receipt Checklist

Client Name **Battelle** | Date Received: **8/26/05**

Work Order Number **0508244** | Received by MLW

Checklist completed by Mark WOA (Signature) 8.29.5 (Date) | Reviewed by JW (Initials) 8/29/05 (Date)

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon recipt?	Yes ☐	No ☐	NotApplicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action Taken: _____

Certificate of Analysis

SINCE 1985

Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	DHL Analytical	**REQUESTED BY:**	Mr. John DuPont
SAMPLE:	Multiple Samples	**REPORT DATE:**	August 31, 2005
LABORATORY NO:	38609	**PURCHASE ORDER NO:**	6285

TEST **RESULTS**

Lab No.	*Sample ID.*	*Interfacial Tension, ASTM D 971, dynes/cm*
38609-01	0508244-01A EW-19	15.79
38609-01	0508244-02A EW-23	16.85

Respectfully submitted
For Texas OilTech Laboratories, L.P.

A. Phil Sorurbakhsh
Director of Laboratory Operations

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas Oiltech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.

Cert. No. 5085

DATA SHEET

Texas OilTech Laboratories, Inc.

Client : DHL
Sample :
Laboratory No : 38609

Requested by :
Client Contract No :
Purchase Order No :
Date Completed :

Test : Interfacial Tension

Formula : ITF = P X F (P= Reading , F= Factor)
F = P / D – d

calibration Base on H_2O = 71 dynes/cm

STD (DI. Water) : 71

Sample # 38609.01

SG 60/60 F : Upper .8865 Lower : 1.0025

Reading : 16 Temperature : Room temp

Factor = $\frac{16}{1.0025 - .8865} = \frac{16}{.116} =$ 137.93

Convert Factor on the graph : .987

ITF = 16 (.987) = 15.79 dynes/cm

Sample # 38609.02

SG 60/60 F : Upper .8841 Lower : 1.0025

Reading : 17 Temperature : Room Temp

Factor = $\frac{17}{1.0025 - .8841} = \frac{17}{.1184} =$ 143.58

Convert Factor on the graph : .991

ITF = 17 (.991) = 16.85 dynes/cm

DHL Analytical **Date:** *09-Sep-05*

CLIENT: Battelle
Project: Gulfport
Lab Order: 0508244

CASE NARRATIVE

Sub-contract - Interfacial Tension by method ASTM D 971. Analyzed at Texas Oil Tech Laboratories.

APPENDIX C:

Data Validation Reports for February 2005

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Battelle
505 King Ave
Columbus, OH 43201-2693
ATTN: Ms. Lydia Cumming

March 30, 2005

SUBJECT: NCBC Gulfport, Data Validation

Dear Ms. Cumming,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on March 11, 2005. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 13249:

SDG #	Fraction
0502068	Volatiles, Semivolatiles, Dissolved Iron & Manganese, Wet Chemistry, Gasoline Range Organics, Diesel Range Organics & Oil Range Organics, Methane-Ethane-Ethene, Total Petroleum Hydrocarbons, Total Petroluem Hydrocarbons by Fractionation

The data validation was performed under EPA Level III and IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

ERauto

Erlinda T. Rauto
Operations Manager/Senior Chemist

V:\LOGIN\Battelle\Gulfport\13249COV.wpd

Attachment 1

2 Week TAT

LDC #13249 (Battelle-Columbus, OH / NCBC Gulfport)

LDC	SDG#	DATE REC'D	DATE DUE	VOA (8260B)		SVOA (8270C)		Diss. Fe, Mn (6010B)		GRO (8015)		DRO ORO (8015)		TPH (TX1005)		TPH (TX1006)		Methane Ethane Ethene		Alk. (310.1)		NO_3-N (300.0)		SO_4 (300.0)		Fell (3500)		S= (376.1)									
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	0502068	03/11/05	03/25/05	9	0	8	0	9	0	8	0	8	0	1	0	1	0	7	0	7	0	8	0	8	0	8	0	6	0								
A	0502068	03/11/05	03/25/05	1	0	1	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0								
Total	B			10	0	9	0	9	0	9	0	9	0	1	0	1	0	8	0	8	0	9	0	9	0	9	0	7	0	0	0	0	0	0	0	0	98

Shaded cells indicate Level IV validation (all other cells are Level III validation).

13249ST.wpd

NCBC Gulfport
Data Validation Reports
LDC# 13249

Volatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 30, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
Trip Blank
GPT-6-6-DUP
GPT-6-6MS
GPT-6-6MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample "Trip Blank" was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Chlorobenzene	3.6	3.9	8
Benzene	0.49	0.54	10
cis-1,2-Dichloroethene	2.40	2.62	9
Ethylbenzene	1.33	1.41	6
Isopropylbenzene	2.19	1.00U	200
n-Propylbenzene	0.62	0.63	2
Naphthalene	22.6	24.2	7
o-Xylene	3.33	3.47	4
p-Isopropyltoluene	2.40	2.41	0
Toluene	1.1	1.3	17

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A1
SDG #: 0502068
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 3/14/05
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	r^2, % RSD
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 5, 8
XVII.	Field blanks	ND	TB = 7

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	GPT-6-5	11	MB-18 ~~32~~	21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3**	14		24		34	
5	GPT-6-6 D	15		25		35	
6	GPT-6-7	16		26		36	
7	Trip Blank	17		27		37	
8	GPT-6-6-DUP D	18		28		38	
9	GPT-6-6MS	19		29		39	
10	GPT-6-6MSD	20		30		40	

LDC #: 13249A1
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JVC
2nd Reviewer: N

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
Were all percent relative standard deviations (%RSD) $\leq$ 30% and relative response factors (RRF) $\geq$ 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) $\leq$ 25% and relative response factors (RRF) $\geq$ 0.05?				
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			

LDC #: 13746A1
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: NB
2nd Reviewer: JV

Validation Area	Yes	No	NA	Findings/Comments
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			

LDC #: 13249A1
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: 3rd
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.		✓		

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL.
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM.
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNN.
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 13249A1
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVC
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD
	5	8	
DDD	3.6	3.9	8
V	0.49	0.54	10
QQQ	2.40	2.62	9
EE	1.33	1.41	6
VV	2.19	1.00U	200
YY	0.62	0.63	2

Compound	Concentration ( )		RPD
MMM	22.6	24.2	7
SSS	3.33	3.47	4
GGG	2.40	2.41	0
CC	1.1	1.3	17

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 13249A1
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 2
Reviewer: VG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (46.4 std)	Recalculated RRF (46.4 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	2/08/05	Methylene chloride (1st internal standard) *	0.289	0.289	0.300	0.300	10.54	10.57
			~~Trichlorethene~~ EE (2nd internal standard)	0.618	0.618	0.584	0.584	10.59	10.59
			~~Toluene~~ BB (3rd internal standard)	0.795	0.795	0.747	0.748	4.62	4.62
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

* also see r^2 calculations

LDC # 13249 A1
SDG# 05 02068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JRC
2nd Reviewer: AK

METHOD:EPA SW-846 Method 8260B

Parameter: Methylene chloride

Compound			Y	X	X^2	Compound	IS			RF
Methylene chloride		Compound	Area/IS Area	Conc/50		Area	10 ppb	Conc.		
							Area	(ppm)		
Date	Point 1		0.0033	0.0093		7619.00	2300037	0.46		0.357
	Point 2		0.0293	0.0928		66939.00	2286104	4.64		0.316
02/08/2005	Point 3	Methylene chloride	0.0536	0.1856		125897.00	2347775	9.28		0.289
	Point 4		0.1026	0.3720		243919.00	2378353	18.60		0.276
	Point 5		0.2683	0.9280		646861.00	2410721	46.40		0.289
	Point 6		0.5072	1.8560		1245933.00	2456303	92.80		0.273
									Ave=	0.300

Regression Output:				Reported	
Constant			3.51E-003	b =	3.55E-003
Std Err of Y Est			0.01		
R Squared			0.9992	r^2 =	0.9990
No. of Observations			6.00		
Degrees of Freedom			4.00		
X Coefficient(s)		2.74E-001	0.00238	m 1	2.74E-001
Std Err of Coef.		0.00388	1.890E-003		

DC #: 13249A1
DG #: 0502068

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: MG
2nd Reviewer: AR

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	~~B502~~ 1427	2/14/05	Methylene chloride (1st internal standard)	0.300	0.288	0.288	4.0	4.0
			~~Trichlorethene~~ DF (2nd internal standard)	0.584	0.604	0.601	2.9	2.98
			~~Toluene~~ BB (3rd internal standard)	0.747	0.726	0.726	2.8	2.8
2			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A1
SDG #: 0502048

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: # 4

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	50	47.79	95.6	95.6	0
Bromofluorobenzene	↓	52.50	105	105	↓
1,2-Dichloroethane-d4	↓	52.89	106	106	↓
Dibromofluoromethane	↓	54.13	108	108	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #: 13249A1
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: AC

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSDC I * 2/(MSC + MSDC) MSC = Matrix spike percent recovery MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: 9/10

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	23.2	23.2	0	24.78	26.18	107	107	113	113	5.49	5.49
Trichloroethene	↓	↓		23.8	24.93	103	103	107	107	4.64	4.64
Benzene	↓	↓	0.49	25.51	27.41	108	108	116	116	7.18	7.18
Toluene	↓	↓	1.14	27.05	27.73	112	112	115	115	2.48	2.48
Chlorobenzene	↓	↓		21.04	21.25	90.7	90.7	91.6	91.6	0.993	0.993

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249 A1
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: JR

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = | LCS - LCSD | * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS-18332

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	23.2	NA	24.84	NA	107	107				
Trichloroethene			24.38		105	105				
Benzene			26.0		112	112				
Toluene			25.16		108	108				
Chlorobenzene			22.77		98.1	98.1				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A1
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVC
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. # 4, ND:

Conc. = ( ) ( ) ( )

( ) ( ) ( ) ( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

NCBC Gulfport
Data Validation Reports
LDC# 13249

Semivolatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 30, 2005

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
GPT-6-6-DUP
GPT-6-6MS
GPT-6-6MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 9 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
GPT-6-6MS/MSD (GPT-6-6)	3,3'-Dichlorobenzidine	0 (20-120)	0 (20-120)	-	J (all detects) R (all non-detects)	A
GPT-6-6MS/MSD (GPT-6-6)	Hexachlorocyclopentadiene Naphthalene	132 (27-125) -	130 (27-125) 103 (40-100)	- -	J (all detects) J (all detects)	A
GPT-6-6MS/MSD (GPT-6-6)	Benzoic acid Pyridine	- -	- -	33.3 (≤20) 32.9 (≤20)	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
LCS-18314	Benzoic acid	9 (20-120)	All samples in SDG 0502068	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No semivolatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
2-Methylnaphthalene	10.6	12.4	16
4-Methylphenol	3.0	4.60	42
Acenaphthene	4.0U	1.0	200
Fluorene	1.0	1.2	18

Compound	Concentration (ug/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Naphthalene	15.6	17.6	12
Phenanthrene	4.0U	1.0	200

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 0502068

SDG	Sample	Compound	Flag	A or P	Reason
0502068	GPT-6-6	3,3'-Dichlorobenzidine	J (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
0502068	GPT-6-6	Hexachlorocyclopentadiene Naphthalene	J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
0502068	GPT-6-6	Benzoic acid Pyridine	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)
0502068	GPT-6-5 GPT-6-4 GPT-6-8 GPT-6-3** GPT-6-6 GPT-6-7 GPT-6-6-DUP	Benzoic acid	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A2

SDG #: 0502068

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 3/14/05

Page: 1 of 1

Reviewer: JVC

2nd Reviewer: M

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r^2
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	SW	
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 5, 7
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	GPT-6-5	11	MB - 18314	21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3**	14		24		34	
5	GPT-6-6 D	15		25		35	
6	GPT-6-7	16		26		36	
7	GPT-6-6-DUP D	17		27		37	
8	GPT-6-6MS	18		28		38	
9	GPT-6-6MSD	19		29		39	
10		20		30		40	

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JTB
2nd Reviewer: [illegible]

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
Were all percent relative standard deviations (%RSD) $\leq$ 30% and relative response factors (RRF) $\geq$ 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) $\leq$ 25% and relative response factors (RRF) $\geq$ 0.05?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JVC
2nd Reviewer: N

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JTC
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.		✓		
XVII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

A. Phenol**	P. Bis(2-chloroethoxy)methane	EE. 2,6-Dinitrotoluene	TT. Pentachlorophenol**	III. Benzo(a)pyrene**
B. Bis (2-chloroethyl) ether	Q. 2,4-Dichlorophenol**	FF. 3-Nitroaniline	UU. Phenanthrene	JJJ. Indeno(1,2,3-cd)pyrene
C. 2-Chlorophenol	R. 1,2,4-Trichlorobenzene	GG. Acenaphthene**	VV. Anthracene	KKK. Dibenz(a,h)anthracene
D. 1,3-Dichlorobenzene	S. Naphthalene	HH. 2,4-Dinitrophenol*	WW. Carbazole	LLL. Benzo(g,h,i)perylene
E. 1,4-Dichlorobenzene**	T. 4-Chloroaniline	II. 4-Nitrophenol*	XX. Di-n-butylphthalate	MMM. Bis(2-Chloroisopropyl)ether
F. 1,2-Dichlorobenzene	U. Hexachlorobutadiene**	JJ. Dibenzofuran	YY. Fluoranthene**	NNN. Aniline
G. 2-Methylphenol	V. 4-Chloro-3-methylphenol**	KK. 2,4-Dinitrotoluene	ZZ. Pyrene	OOO. N-Nitrosodimethylamine
H. 2,2'-Oxybis(1-chloropropane)	W. 2-Methylnaphthalene	LL. Diethylphthalate	AAA. Butylbenzylphthalate	PPP. Benzoic Acid
I. 4-Methylphenol	X. Hexachlorocyclopentadiene*	MM. 4-Chlorophenyl-phenyl ether	BBB. 3,3'-Dichlorobenzidine	QQQ. Benzyl alcohol
J. N-Nitroso-di-n-propylamine*	Y. 2,4,6-Trichlorophenol**	NN. Fluorene	CCC. Benzo(a)anthracene	RRR. Pyridine
K. Hexachloroethane	Z. 2,4,5-Trichlorophenol	OO. 4-Nitroaniline	DDD. Chrysene	SSS. Benzidine
L. Nitrobenzene	AA. 2-Chloronaphthalene	PP. 4,6-Dinitro-2-methylphenol	EEE. Bis(2-ethylhexyl)phthalate	TTT.
M. Isophorone	BB. 2-Nitroaniline	QQ. N-Nitrosodiphenylamine (1)**	FFF. Di-n-octylphthalate**	UUU.
N. 2-Nitrophenol**	CC. Dimethylphthalate	RR. 4-Bromophenyl-phenylether	GGG. Benzo(b)fluoranthene	VVV.
O. 2,4-Dimethylphenol	DD. Acenaphthylene	SS. Hexachlorobenzene	HHH. Benzo(k)fluoranthene	WWW.

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		8/9	BBB	0 (20-120)	0 (20-120)	( )	5	J/R/A
			X	132 (27-125)	130 (27-125)	( )		J dets/A
			PPP	( )	[illegible] ( )	33.3 (20)		J/UJ/A
			S	( )	103 (40-100)	( )		J dets/A
			RRR	( )	( )	32.9 (20)		J/UJ/A
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		

	Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)		Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)
A.	Phenol	26-90%	≤ 35%	12-110%	≤ 42%	GG.	Acenaphthene	31-137%	≤ 19%	46-118%	≤ 31%
C.	2-Chlorophenol	25-102%	≤ 50%	27-123%	≤ 40%	II.	4-Nitrophenol	11-114%	≤ 50%	10-80%	≤ 50%
E.	1,4-Dichlorobenzene	28-104%	≤ 27%	36-97%	≤ 28%	KK.	2,4-Dinitrotoluene	28-89%	≤ 47%	24-96%	≤ 38%
J.	N-Nitroso-di-n-propylamine	41-126%	≤ 38%	41-116%	≤ 38%	TT.	Pentachlorophenol	17-109%	≤ 47%	9-103%	≤ 50%
R.	1,2,4-Trichlorobenzene	38-107%	≤ 23%	39-98%	≤ 28%	ZZ.	Pyrene	35-142%	≤ 36%	26-127%	≤ 31%
V.	4-Chloro-3-methylphenol	26-103%	≤ 33%	23-97%	≤ 42%						

LDC #: 13249 A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: AC

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		LCS-18314	PPP	9 (20-120)	( )	( )	All + BLK	J/UJ/P
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: NG
2nd reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (ug /L)		RPD
	5	7	
W	10.6	12.4	16
I	3.0	4.60	42
GG	4.0 U	1.0	200
NN	1.0	1.2	18
S	15.6	17.6	12
UU	4.0 U	1.0	200

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 2
Reviewer: JVC
2nd Reviewer: AC

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard
S = Standard deviation of the RRFs, X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (4.0 std)	Recalculated RRF (4.0 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	2/25/05	Phenol (1st internal standard)	1.204	1.204	1.264	1.264	5.40	5.40
			Naphthalene (2nd internal standard)	0.756	0.756	0.747	0.747	2.42	2.42
			Fluorene (3rd internal standard)	0.989	0.989	0.983	0.983	2.75	2.75
			Pentachlorophenol (4th internal standard)	See	r2 calculations				
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.619	0.619	0.598	0.598	2.95	2.95
			Benzo(a)pyrene (6th internal standard)	0.876	0.876	0.833	0.833	4.36	4.37
2			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						
3			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 13249A2
SDG# 0502068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVC
2nd Reviewer: K

METHOD:EPA SW-846 Method 8270C

Parameter: Pentachlorophenol

Compound			Y	X	X^2		RF
Pentachlorophenol		Compound	Area/IS Area	Conc/~~10~~ 4			
Date	Point 1		0.0040	0.0500	0.0025		0.079
	Point 2		0.0119	0.1250	0.0156		0.095
02/25/2005	Point 3	Pentachlorophenol	0.0259	0.2500	0.0625		0.104
	Point 4		0.0595	0.5000	0.2500		0.119
	Point 5		0.0960	0.7500	0.5625		0.128
	Point 6		0.1297	1.0000	1.0000		0.130
	Point 7		0.1640	1.2500	1.5625		0.131
						Ave=	0.112

Regression Output:				Reported	
Constant			-3.77E-003	k=	-3.77E-003
Std Err of Y Est			0.00		
R Squared			0.9995	r^2 =	1.0000
No. of Observations			7.00		
Degrees of Freedom			4.00		
				a=	1.25E-001
X Coefficient(s)		1.25E-001	8.14E-003	b=	8.14E-003
Std Err of Coef.		0.00611	4.699E-003		

LDC #: 13249A2
SDG #: 05020648

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	05021622	2/17/05	Phenol (1st internal standard)	1.694	1.535	1.535	9.4	9.4
			Naphthalene (2nd internal standard)	1.024	0.981	0.981	4.2	4.2
			Fluorene (3rd internal standard)	1.346	1.303	1.303	3.2	3.2
			Pentachlorophenol (4th internal standard)	0.150	0.161	0.161	7.3	7.3
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.761	0.725	0.725	4.7	4.7
			Benzo(a)pyrene (6th internal standard)	1.145	1.083	1.083	5.4	5.4
2			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249 A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #4

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	4	3.41	85.2	85.2	0
2-Fluorobiphenyl		3.84	96.0	96.0	
Terphenyl-d14		4.05	101	101	
Phenol-d5		1.62	40.5	40.5	
2-Fluorophenol		2.49	62.2	62.2	
2,4,6-Tribromophenol		4.98	124	124	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 13249 A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JTC
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = I MS - MSD I * 2/(MS + MSD) MS = Matrix spike percent recovery MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 8/9

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	40	40	0	13	13.8	32.5	32.5	34.5	34.5	5.97	5.97
2-Chlorophenol				28.8	29.6	72	72	74	74	2.74	2.74
1,4-Dichlorobenzene				31.4	30.2	78.5	78.5	75.5	75.5	3.90	3.90
N-Nitroso-di-n-propylamine				40	39.2	100	100	98	98	2.02	2.02
1,2,4-Trichlorobenzene				38.6	38.8	96.5	96.5	97	97	0.517	0.517
4-Chloro-3-methylphenol				31.4	33.2	78.5	78.5	83	83	5.57	5.57
Acenaphthene				41.6	41.0	104	104	103	103	1.45	1.45
4-Nitrophenol				14.6	16.2	36.5	36.5	40.5	40.5	10.4	10.4
2,4-Dinitrotoluene				42	42.2	105	105	106	106	0.475	0.475
Pentachlorophenol				35.2	36.8	88	88	92	92	4.44	4.44
Pyrene				39.8	39.6	99.5	99.5	99	99	0.504	0.504

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

MSDCLC.2S

LDC #: 19249A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: AR

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA

Where: SSC = Spike concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS-18314

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	40	NA	12.2	NA	30.5	30.5				
2-Chlorophenol			29.6		74.0	74				
1,4-Dichlorobenzene			29.2		73.0	73				
N-Nitroso-di-n-propylamine			37.2		93.0	93				
1,2,4-Trichlorobenzene			34.2		85.5	85.5				
4-Chloro-3-methylphenol			32.8		82.0	82				
Acenaphthene			37.4		93.5	93.5				
4-Nitrophenol			10.8		27.0	27				
2,4-Dinitrotoluene			38.8		97.0	97				
Pentachlorophenol			31.6		79.0	79				
Pyrene			36.6		91.5	91.5				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A2
SDG #: 0502069

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: SC

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #4, ND:

Conc. = ( )( )( )( )( )
( )( )( )( )( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

RECALC.2S

NCBC Gulfport
Data Validation Reports
LDC# 13249

Dissolved Iron & Manganese

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 30, 2005

Matrix: Water

Parameters: Dissolved Iron & Manganese

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
GPT-6-6-DUP
GPT-6-6MS
GPT-6-6MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 9 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 6020 for Dissolved Iron and Manganese.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for the methods stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from specified protocols or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable.

Data qualification by the initial, continuing and preparation blanks (ICB/CCB/PBs) was based on the maximum contaminant concentration in the ICB/CCB/PBs in the analysis of each analyte. No contaminant concentrations were found in the initial, continuing and preparation blanks.

No field blanks were identified in this SDG.

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

V. Matrix Spike Analysis

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VI. Duplicate Sample Analysis

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Internal Standards

All internal standard percent recoveries (%R) were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

IX. Furnace Atomic Absorption QC

Graphite furnace atomic absorption was not utilized in this SDG.

X. ICP Serial Dilution

ICP serial dilution was not required by the method.

XI. Sample Result Verification

All sample result verifications met validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

XIII. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No metals were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Iron	5440	5480	1
Manganese	8.3	8.7	5

NCBC Gulfport, MS
Dissolved Iron & Manganese - Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Dissolved Iron & Manganese - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Dissolved Iron & Manganese - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A4

SDG #: 0502068

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III/~~IV~~

Date: 3-15-05

Page: 1 of 1

Reviewer: MG

2nd Reviewer: MM

METHOD: Dissolved Iron & Manganese (EPA SW 846 Method 6020)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2-10-05
II.	Calibration	A	
III.	Blanks	A	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Matrix Spike Analysis	A	MS/MSD
VI.	Duplicate Sample Analysis	N	
VII.	Laboratory Control Samples (LCS)	A	LCS/LCSD
VIII.	Internal Standard (ICP-MS)	~~N~~ A	~~[illegible]~~ mg
IX.	Furnace Atomic Absorption QC	N	Not utilized
X.	ICP Serial Dilution	A	
XI.	Sample Result Verification	N	Not reviewed for Level III validation.
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	D = 5+7
XIV.	Field Blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** ~~Indicates sample underwent Level IV validation~~ [illegible]

all water

1	GPT-6-5	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3~~**~~	14		24		34	
5	GPT-6-6	15		25		35	
6	GPT-6-7	16		26		36	
7	GPT-6-6-DUP	17		27		37	
8	GPT-6-6MS	18		28		38	
9	GPT-6-6MSD	19		29		39	
10	PBW	20		30		40	

Notes:

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: MY

Method: Metals (EPA SW 826 Method 6010/7000/6020)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury and 85-115% for cyanide) QC limits?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Was a midrange cyanide standard distilled?			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?	✓			
IV. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			
VI. Furnace Atomic Absorption QC				
If MSA was performed, was the correlation coefficients ≥ 0.995?			✓	
Do all applicable analysies have duplicate injections?			✓	

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: MM

Validation Area	Yes	No	NA	Findings/Comments
For sample concentrations > RL, are applicable duplicate injection RSD values < 20%?			✓	
Were analytical spike recoveries within the 85-115% QC limits?			✓	
VII. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the IDL?	✓			
Were all percent differences (%Ds) ≤ 10%?	✓			
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.		✓		
VIII. Internal Standards (EPA SW 846 Method 6020)				
Were all the percent recoveries (%R) within the 30-120% of the intensity of the internal standard in the associated initial calibration?	✓			
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: MG
2nd reviewer: MY

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1 → 7	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
QC 8.9	↓	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
ICP Trace		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
ICP-MS	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻,

Comments: Mercury by CVAA if performed

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: MG
2nd reviewer: KM

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Qualifications
	5	7			
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron	5440	5480	1		
Lead					
Magnesium					
Manganese	8.3	8.7	5		
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					
Cyanide					
Boron					
Molybdenum					
Strontium					
Silicon					

Notes:

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: MG
2nd Reviewer: MM

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
1139 ICV	ICP (Initial calibration)	Fe	2684.0	2500.0	107.4	107.4	Y
	GFAA (Initial calibration)						
	CVAA (Initial calibration)						
1328 CCV2	ICP (Continuing calibration)	Mn	192.80	200.00	96.4	96.4	
	GFAA (Continuing calibration)						
	CVAA (Continuing calibration)						
	Cyanide (Initial calibration)						
	Cyanide (Continuing calibation)						

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
1454 ICSAB	ICP Interference check	Mn	23.24 (µg/L)	20.00 (µg/L)	116	not reported	Y
1534 LCS	Laboratory control sample	Fe	5165 (µg/L)	5000 (µg/L)	103	103	↓
1542 8	Matrix spike	Mn	(SSR-SR) 193.20 (µg/L)	200 (µg/L)	96.6	96.6	↓
1542/1546 8/9	Duplicate	Fe	10770 (µg/L)	10810 (µg/L)	0.371	0.371	↓
1517/1522 5	ICP serial dilution	Fe	5444 (µg/L)	5695 (µg/L)	4.61	4.51	↓

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A4
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: MG
2nd reviewer: MM

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for #4, Fe were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)(\%S)}$

Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor
%S = Decimal percent solids

from raw data (dil = 1x) 50 ml → 50 ml

Fe = 1485.000 µg/L

Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
4	Fe	1480	1480	Y
	Mn	20.2	20.2	↓

RECALC.4S2

NCBC Gulfport
Data Validation Reports
LDC# 13249

Wet Chemistry

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 15, 2005

Matrix: Water

Parameters: Wet Chemistry

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
GPT-6-6-DUP
GPT-6-6MS
GPT-6-6MSD
GPT-6-6DUP

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 310.1 for Alkalinity, EPA Method 376.2 for Sulfide, EPA Method 300.0 for Nitrate as Nitrogen and Sulfate, and Standard Method 3500 for Ferrous Iron.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for the methods stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
GPT-6-5 GPT-6-4 GPT-6-8 GPT-6-3** GPT-6-6 GPT-6-7 GPT-6-6-DUP GPT-6-6MS GPT-6-6MSD	Ferrous Iron	5 days	48 hours	J (all detects) UJ (all non-detects)	P

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
2/11/05	CCV1	Sulfide	86.2 (90-110)	GPT-6-5 GPT-6-4 GPT-6-8 GPT-6-3** GPT-6-6 GPT-6-7 GPT-6-6-DUP	J (all detects) UJ (all non-detects)	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
GPT-6-6MS/MSD (All samples in SDG 0502068)	Ferrous Iron	82.8 (85-115)	-	-	J (all detects) UJ (all non-detects)	A

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VII. Sample Result Verification

All sample result verifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

IX. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Sulfate	6.38	5.23	20
Alkalinity, total	34.8	36.1	4
Ferrous Iron	5.60	5.62	0

Analyte	Concentration (mg/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Sulfide	1.10	1.16	5

NCBC Gulfport, MS
Wet Chemistry - Data Qualification Summary - SDG 0502068

SDG	Sample	Analyte	Flag	A or P	Reason
0502068	GPT-6-5 GPT-6-4 GPT-6-8 GPT-6-3** GPT-6-6 GPT-6-7 GPT-6-6-DUP	Ferrous iron	J (all detects) UJ (all non-detects)	P	Technical holding times
0502068	GPT-6-5 GPT-6-4 GPT-6-8 GPT-6-3** GPT-6-6 GPT-6-7 GPT-6-6-DUP	Sulfide	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
0502068	GPT-6-5 GPT-6-4 GPT-6-8 GPT-6-3** GPT-6-6 GPT-6-7 GPT-6-6-DUP	Ferrous Iron	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

NCBC Gulfport, MS
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Wet Chemistry - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A6
SDG #: 0502068
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 3-15-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MJ

METHOD: (Analyte) Alkalinity (EPA Method 310.1), Ferrous Iron (SM3500), Nitrate-N, Sulfate (EPA Method 300.0), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: 2-10-05
IIa.	Initial calibration	A	
IIb.	Calibration verification	SW	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	SW	MS/MSD
V	Duplicates	A	DUP (SDG: 0502053)
VI.	Laboratory control samples	A	LCS/LCSD
VII.	Sample result verification	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 5+7
X.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

all water

1	GPT-6-5	11	PBW	21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3**	14		24		34	
5	GPT-6-6	15		25		35	
6	GPT-6-7	16		26		36	
7	GPT-6-6-DUP	17		27		37	
8	GPT-6-6MS	18		28		38	
9	GPT-6-6MSD	19		29		39	
10	GPT 6 6DUP	20		30		40	

Notes:

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: MG
2nd Reviewer: [illegible]

Method: Inorganics (EPA Method see cover)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.		✓		
Cooler temperature criteria was met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?		✓		
Were titrant checks performed as required?	✓			
Were balance checks performed as required?			✓	
~~Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?~~				
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓			
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: M

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Page: 1 of 1
Reviewer: MG
2nd reviewer: MM

All circled methods are applicable to each sample.

Sample ID	Parameter																			
1→7	pH	TDS	Cl	F	(NO3)	NO2	(SO4)	PO4	(ALK)	CN-	NH3	TKN	TOC	CR6+	(Ferrous Iron)	(S)				
QC 8,9	pH	TDS	Cl	F	(NO3)	NO2	(SO4)	PO4	ALK	CN-	NH3	TKN	TOC	CR6+	(Ferrous Iron)					
↓ 10	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	(ALK)	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						
	pH	TDS	Cl	F	NO3	NO2	SO4	PO4	ALK	CN-	NH3	TKN	TOC	CR6+						

Comments:

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Page: 1 of 1
Reviewer: MG
2nd reviewer: MM

All circled dates have exceeded the technical holding time.
(Y) N N/A Were all samples preserved as applicable to each method ?
(Y) N N/A Were all cooler temperatures within validation criteria?

Method:		SM 3500					
Parameters:		Ferrous Fe					
Technical holding time:		48 hr					
Sample ID	**Sampling date**	**Analysis date**	**Analysis date**	**Analysis date**	**Analysis date**	**Analysis date**	**Qualifier**
1	0805 2-10-05	0934 2-15-05	(5 days)				J/UJ/P
2	0915 2-10-05	↓	↓				↓
3	1030 2-10-05	↓	↓				↓
4	1230 2-10-05	↓	↓				↓
5	1340 2-10-05	↓	↓				↓
6	1515 2-10-05	↓	↓				↓
7	1340 2-10-05	↓	↓				↓
8	1340 2-10-05	↓	↓				↓
9	1340 2-10-05	↓	↓				↓

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Calibration

Page: 1 of 1
Reviewer: MG
2nd Reviewer: [illegible]

METHOD: Inorganics, EPA Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were all instruments calibrated daily, each set-up time, and were the proper number of standards used?
Y (N) N/A Were all initial and continuing calibration verification percent recoveries (%R) within the control limits of 90-110% ?
(Y) N N/A Are all correlation coefficients ≥0.995 ?

LEVEL IV/D ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Initial and Continuing Calibration Recaluculation Worksheet for recalulations.
Y N (N/A) Was a balance check conducted prior to the TDS analysis.?
(Y) N N/A Was the titrant normality checked?

#	Date	Calibration ID	Analyte	%R	Associated Samples	Qualifications
1	2-11-05	CCV1 (1226)	S	86.2 (90-110)	1 → 7	J/UJ/P

Comments:

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, EPA Method See cover

Please see qualifications below for all questions answered "N'. Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

(Y) N N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤35% for soil samples?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	8/9	Water	Ferrous Fe	82.8 (85-115)			all	J/UJ/A

Comments:

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: MG
2nd reviewer: [illegible]

METHOD: Inorganics, Method see cover

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (mg/L) 5	7	RPD (Limits)	Qualifier
SO4	6.38	5.23	20	
tot. Alk.	34.8	36.1	4	
Ferrous Fe	5.60	5.62	0	
S	1.10	1.16	5	

Analyte	Concentration ( )		RPD (Limits)	Qualifier

Analyte	Concentration ( )		RPD (Limits)	Qualifier

Analyte	Concentration ( )		RPD (Limits)	Qualifier

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, Method see cover

The correlation coefficient (r) for the calibration of Ferrous Fe was recalculated. Calibration date: 8-13-03

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution
True = concentration of each analyte in the ICV or CCV source

Type of Analysis	Analyte		Conc (units)	Abs (units)	Recalculated r or %R	Reported r or %R	Acceptable (Y/N)
Initial calibration	Ferrous Fe	Blank	–	–	$r^2 = 0.998$	$r^2 = 0.998$	Y
Calibration verification		Standard 1	50 (µg/L)	0.029			
		Standard 2	100 ( )	0.048			
		Standard 3	250 ( )	0.113			
		Standard 4	500 ( )	0.237			
		Standard 5	–	–			
		Standard 6	–	–			
		Standard 7	–	–			
Calibration verification	Alk.	CCV1	5000 (mg/L)	5000 (mg/L)	100	100	
Calibration verification	NO_3-N	1235 CCV1	5.3230 (mg/L)	5 (mg/L)	106	106	
Calibration verification	SO_4	1235 CCV1	30.0646 (mg/L)	30 (mg/L)	100	100	

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: MG
2nd Reviewer: WH

METHOD: Inorganics, Method see cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	Found / S (units)	True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample	S	0.10087 (mg/L)	0.1185 (mg/L)	85.1	85.1	Y
8	Matrix spike sample	NO_3-N	(SSR-SR) 5.3234 (mg/L)	5 (mg/L)	106	106	↓
10	Duplicate sample	tot. alk.	34.78 (mg/L)	38.73 (mg/L)	10.7	10.7	↓

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

TOTCLC.6

LDC #: 13249A6
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: MG
2nd reviewer: My

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments?
Y N N/A Are all detection limits below the CRQL?

Compound (analyte) results for #4, SO_4 reported with a positive detect were recalculated and verified using the following equation:

Concentration = $SO_4 = -1.953e-013(909608)^2 + 1.4087e-005(909608) + 0.2118$

Recalculation:

$SO_4 = -0.161589 + 12.81365 + 0.2118$
$= 12.86$ mg/L

#	Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
1	4	SO_4	14.1	12.9	Y
		Ferrous Fe	1.54	1.55	↓
		S	0.211	0.211	↓

Note:

RECALC.6

NCBC Gulfport
Data Validation Reports
LDC# 13249

Gasoline Range Organics

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 30, 2005

Matrix: Water

Parameters: Gasoline Range Organics

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
GPT-6-6-DUP
GPT-6-6MS
GPT-6-6MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 9 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Gasoline Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for all compounds were less than 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No gasoline range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No total petroleum hydrocarbons as gasoline were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Gasoline range organics	0.14	0.15	7

NCBC Gulfport, MS
Gasoline Range Organics - Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A7
SDG #: 0502068
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 3/14/05
Page: 1 of 1
Reviewer: JYL
2nd Reviewer: [illegible]

METHOD: GC Gasoline Range Organics (EPA SW 846 Method 8015)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	%R = 85-115 %
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	A	
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 5, 7
X.	Field blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank
water

Validated Samples: ** Indicates sample underwent Level IV validation

1	GPT-6-5	11	MB-18338	21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3**	14		24		34	
5	GPT-6-6 D	15		25		35	
6	GPT-6-7	16		26		36	
7	GPT-6-6-DUP D	17		27		37	
8	GPT-6-6MS	18		28		38	
9	GPT-6-6MSD	19		29		39	
10		20		30		40	

Notes:

LDC #: 13249A7
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Method: ✓ GC ____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) < 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ____%D or ✓ %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) < 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 13249A7
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds idetected in the field duplicates?	✓			
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 13249A51
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JVG
2nd reviewer: [illegible]

METHOD: ✓ GC __ HPLC
Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		%RPD Limit NA	Qualification Parent only / All Samples
	5	7		
GRO	0.14	0.15	7	

Compound	Concentration ( )		%RPD Limit _____	Qualification Parent only / All Samples

LDC #: 17249 A7
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC_____

The calibration Factor (CF), average CF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

A = Area of compound,
C = Concentration of compound,
S = Standard deviation of the CF
X = Mean of the CFs

#	Standard ID	Calibration Date	Compound	Reported CF (10 std)	Recalculated CF (10 std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	12/3/04	Gasoline	1185800	1185800	1182667	1182666	2.793	2.793
2									
3									
		Linear:	Area = -34.882e3 + 11.823e05 (X)						
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 13249 A
SDG# 0502068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JNG
2nd Reviewer: [illegible]

METHOD:SW 846 Method 8015

Compound			Y	X	X^2	RF
Gasoline		Compound	Area	(ppm)		
Date	Point 1		119361.0	0.100000		1193610
	Point 2		615332.0	0.500000		1230664
12/03/2004	Point 3	Gasoline	2883365.0	2.5000000		1153346
	Point 4		5749562.0	5.0000000		1149912
	Point 5		11858000.0	10.0000000		1185800
					Ave=	1182666

Regression Output:				Reported	
Constant			-3.49E+004	k=	-3.49E+004
Std Err of Y Est			95251.64		
R Squared			0.9997	r^2 =	0.9997
No. of Observations			5.00		
Degrees of Freedom			3.00		
X Coefficient(s)		1.18E+006	8.14E-003	m =	1.182E+006
Std Err of Coef.		11725.73218	4.699E-003		

LDC #: 13249A7
SDG #: 05 02068

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC_____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %R	Recalculated %R
1	CCV1-050216	2/16/05	GRO	2.5	2.419		96.8	
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A7
SDG #: 0502068

METHOD: ✓ GC ___ HPLC

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG
2nd reviewer: [illegible]

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #4

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
1-Chlorobenzene	Not specified	0.10	0.1177243	118	118	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 13249 A7
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA Where SSC = Spiked sample concentration SC = Sample concentration
SA = Spike added

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100 MS = Matrix spike MSD = Matrix spike duplicate

MS/MSD samples: 8/9

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)	1.25	1.25	0.1355	1.470	1.463	107	107	106	106	0.44	0.477
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A7
SDG #: 05 02068

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: TVG
2nd Reviewer: A

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
SA = Spike added
LCS = Laboratory Control Sample
SC = Sample concentration
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS - 18338

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)	1.25	—	0	1.079	—	86.4	86.3				
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A7
SDG #: 0502064

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. # 4 Compound Name ND

Concentration =

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments:

SAMPCALew.wcd

NCBC Gulfport
Data Validation Reports
LDC# 13249

Diesel Range Organics & Oil Range Organics

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 15, 2005

Matrix: Water

Parameters: Diesel Range Organics & Oil Range Organics

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
GPT-6-6-DUP
GPT-6-6MS
GPT-6-6MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 9 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Diesel Range Organics and Oil Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic or oil range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
GPT-6-5	Octacosane	23.5 (26-152)	Diesel range organics Oil range organics	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No diesel range organics or oil range organics were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Diesel range organics	1.14	1.33	15

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Data Qualification Summary - SDG 0502068

SDG	Sample	Compound	Flag	A or P	Reason
0502068	GPT-6-5	Diesel range organics Oil range organics	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Surrogate recovery (%R)

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A8

SDG #: 0502068

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 3/14/05

Page: 1 of 1

Reviewer: JR

2nd Reviewer: [illegible]

METHOD: GC Diesel Range Organics & Oil Range Organics (EPA SW 846 Method 8015)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
IIa.	Initial calibration	A	% RSD, r²
IIb.	Calibration verification	A	% R = 85-115 %
III.	Blanks	A	
IVa.	Surrogate recovery	SW	
IVb.	Matrix spike/Matrix spike duplicates	A	
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 5, 7
X	Field blanks	N	

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

1	GPT-6-5	11	MB-18326	21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3**	14		24		34	
5	GPT-6-6 D	15		25		35	
6	GPT-6-7	16		26		36	
7	GPT-6-6-DUP D	17		27		37	
8	GPT-6-6MS	18		28		38	
9	GPT-6-6MSD	19		29		39	
10		20		30		40	

Notes:

LDC #: 13249A8
SDG #: D502065

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Method: ✓ GC ____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ____%D or ✓ %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?		✓		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 13249A8
SDG #: 0502068

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds idetected in the field duplicates?	✓			
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 13249A8
SDG #: 0502068

VALIDATION FINDINDS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [signature]

METHOD: ✓ GC __ HPLC

Are surrogates required by the method? Yes ✓ or No____.

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were surrogates spiked into all samples and blanks?

Y (N) N/A Did all surrogate recoveries (%R) meet the QC limits?

#	Sample ID	Detector/ (Column)	Surrogate Compound	%R (Limits)	Qualifications
	1		G	23.5 (26-152)	J/UJ/P
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decafluorobiphenyl (DCB)	U	Tripentyltin
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVC
2nd reviewer: R

METHOD: ✓ GC ___ HPLC

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		%RPD Limit NA	Qualification Parent only / All Samples
	5	7		
DRO	1.14	1.33	15	

Compound	Concentration ( )		%RPD Limit _____	Qualification Parent only / All Samples

LDC #: 13249A8
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC_____

The calibration Factor (CF), average CF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

A = Area of compound,
C = Concentration of compound,
S = Standard deviation of the CF
X = Mean of the CFs

#	Standard ID	Calibration Date	Compound	Reported CF (1000 std)	Recalculated CF (1000 std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	7/15/04	Diesel	~~100~~ 5255.137	5255.137	4909.36	4909.360	11.853	11.853
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A8
SDG #: 0502048

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: 8

METHOD: GC ✓ HPLC_____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %R	Recalculated %R
1	ICV-050215	2/15/05	DRO	1000	1072	1072	107	107
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

CONCLC.1S

DC #: 13249A8
SDG #: 0502068

METHOD: ✓ GC ___ HPLC

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG
2nd reviewer: [illegible]

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: # 4

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
o-Terphenyl	HR SMS	15.0	~~87.0~~ 13.06	87.0	87.0	0
Octacosane	↓	↓	~~87.3~~ 13.09	87.3	87.3	↓

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

DC #: 13249A8
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: 9

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA Where SSC = Spiked sample concentration SC = Sample concentration
SA = Spike added

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100 MS = Matrix spike MSD = Matrix spike duplicate

MS/MSD samples: ~~LCS - 18376~~ 8/9

Compound		Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
		MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline	(8015)											
Diesel	(8015)	25	25	1.142	21.76	22.47	82.5	82.5	85.3	85.3	3.18	3.20
Benzene	(8021B)											
Methane	(RSK-175)											
2,4-D	(8151)											
Dinoseb	(8151)											
Naphthalene	(8310)											
Anthracene	(8310)											
HMX	(8330)											
2,4,6-Trinitrotoluene	(8330)											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249 A8
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: TVG
2nd Reviewer:

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS - 18326

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)	25	—	0	19.51	—	78	78	—			
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A8
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #4 Compound Name ND

Concentration =

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments:

SAMPCALew.wpd

NCBC Gulfport
Data Validation Reports
LDC# 13249

Methane-Ethane-Ethene

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 30, 2005

Matrix: Water

Parameters: Methane, Ethane, & Ethene

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-5
GPT-6-4
GPT-6-8
GPT-6-3**
GPT-6-6
GPT-6-7
GPT-6-6-DUP
GPT-6-6DUP

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method RSK-ERR for Methane, Ethane, and Ethene.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No methane, ethane, or ethene contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were not required by the method.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

Samples GPT-6-6 and GPT-6-6-DUP were identified as field duplicates. No methane, ethane, or ethene were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	GPT-6-6	GPT-6-6-DUP	
Methane	1.48	1.60	8

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A51

SDG #: 0502068

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 3/14/05

Page: 1 of 1

Reviewer: JVC

2nd Reviewer: [illegible]

METHOD: GC Methane, Ethane & Ethene (Method RSK-ERR)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
IIa.	Initial calibration	A	% RSD, r2
IIb.	Calibration verification	A	COV ≤ 20 %
III.	Blanks	A	
IVa.	Surrogate recovery	N	Not required
IVb.	Matrix spike/Matrix spike duplicates / Lab Dup	N/A	Client specified
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 5, 7
X.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	GPT-6-5	11	MB-050214A	21		31	
2	GPT-6-4	12	MB-050214B	22		32	
3	GPT-6-8	13		23		33	
4	GPT-6-3**	14		24		34	
5	GPT-6-6 D	15		25		35	
6	GPT-6-7	16		26		36	
7	GPT-6-6-DUP D	17		27		37	
8	GPT-6-6DUP	18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 13249 A51
SDG #: 05020648

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Method: ✓ GC _____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ____%D or ✓ %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?			✓	
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?		✓		
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 13249A51
SDG #: 05 02068

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds idetected in the field duplicates?	✓			
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 13249A2
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		%RPD Limit NA	Qualification Parent only / All Samples
	5	7		
Methane	1.48	1.60	8	

Compound	Concentration ( )		%RPD Limit _____	Qualification Parent only / All Samples

LDC # 13249A51
SDG# 05 02068

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD:RSK-ERR

Parameter: Methane

Compound			Y	X	X^2		RF
Methane		Compound	Area	(ppmV)			
Date	Point 1		20181.0	0.000010			2018100000
	Point 2		32844.0	0.000025			1313760000
07/01/2003	Point 3	Methane	91948.0	0.0000500			1838960000
	Point 4		121808.0	0.0000750			1624106667
	Point 5		144559.0	0.0001000			1445590000
	Point 6		1342685.0	0.0010000			1342685000
						Ave=	1597200278

Regression Output:			Reported	
Constant		0.00E+000	k=	0.00E+000
Std Err of Y Est		15480.97		
R Squared		0.9991	r^2 =	0.9944
No. of Observations		6.00		
Degrees of Freedom		5.00		
			a=	1.35E+009
X Coefficient(s)	1.35E+009	8.14E-003	b=	7.901E+003
Std Err of Coef.	15337093.16315	4.699E-003		

LDC #: 13249 A51
SDG #: 0502-068

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %D	Recalculated %D
1	CCV3-050214	2/14/05	Methane	0.000025	0.0000246	0.0000244	98.4	97.6
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 13249A51
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: TVG
2nd Reviewer:

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
SA = Spike added
LCS = Laboratory Control Sample
SC = Sample concentration
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS/D – 050214A

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)	0.00273	0.00273	0	0.002729	0.002631	100	100	96.4	96.4	3.67	3.66
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17249A51
SDG #: 0502068

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #4 Compound Name Methane

$$\text{Concentration} = \frac{(0.0004135)(25.09)}{} + \left(\frac{(0.0004135)\left[\frac{(68.1-62.5)(0.654)}{(62.5-26.1)/1000}\right]}{}\right)$$

$= 0.01037 + 0.0416$

$= 0.05197$

≈ 0.0520 mg/L

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments: _____

SAMPCALew.wpd

NCBC Gulfport
Data Validation Reports
LDC# 13249

Total Petroleum Hydrocarbons

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 15, 2005

Matrix: Water

Parameters: Total Petroleum Hydrocarbons

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-8

Introduction

This data review covers one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method TX1005 Total Petroleum Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for all compounds were less than 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 75-125% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Total Petroleum Hydrocarbons - Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Total Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Total Petroleum Hydrocarbons - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A53a
SDG #: 0502068
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 3/14/05
Page: 1 of 1
Reviewer: JRC
2nd Reviewer: [illegible]

METHOD: GC TPH (Method TX1005)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	%R = 75-125%
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	N	Client specified (non-client sample)
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples: Water

+ 1	GPT-6-8	11		21		31	
− 2	MB-18380	12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

NCBC Gulfport
Data Validation Reports
LDC# 13249

Total Petroleum Hydrocarbons by Fractionation

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: February 10, 2005

LDC Report Date: March 15, 2005

Matrix: Water

Parameters: Total Petroleum Hydrocarbons by Fractionation

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0502068

Sample Identification

GPT-6-8

Introduction

This data review covers one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method TX1006 Total Petroleum Hydrocarbons by Fractionation.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for all compounds were less than 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 75-125% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbon contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Total Petroleum Hydrocarbons by Fractionation - Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Total Petroleum Hydrocarbons by Fractionation - Laboratory Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Total Petroleum Hydrocarbons by Fractionation - Field Blank Data Qualification Summary - SDG 0502068

No Sample Data Qualified in this SDG

LDC #: 13249A53b

SDG #: 0502068

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 3/14/05

Page: 1 of 1

Reviewer: JW

2nd Reviewer: [illegible]

METHOD: GC TPH Fractionation (Method TX1006)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/10/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	N	Client specified
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples: Water

1	GPT-6-8	11		21		31	
2	MB-18381	12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 12:53:46 PM
Sulfate	14.6	1.0	3.00		mg/L	1	2/11/2005 12:53:46 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	13.4	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	13.4	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 6:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 6:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 6:22:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:22:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 6:22:00 AM
Surr: 1,2-Dichloroethane-d4	98.8	0	72-119		%REC	1	2/15/2005 6:22:00 AM
Surr: 4-Bromofluorobenzene	96.8	0	76-119		%REC	1	2/15/2005 6:22:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	2/15/2005 6:22:00 AM
Surr: Toluene-d8	99.7	0	81-120		%REC	1	2/15/2005 6:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 4:14:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 4:14:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND UJ	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:14:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 4:14:00 AM
Surr: 2,4,6-Tribromophenol	125	0	53-155		%REC	1	2/17/2005 4:14:00 AM
Surr: 2-Fluorobiphenyl	97.0	0	55-130		%REC	1	2/17/2005 4:14:00 AM
Surr: 2-Fluorophenol	57.2	0	25-120		%REC	1	2/17/2005 4:14:00 AM
Surr: 4-Terphenyl-d14	96.5	0	51-135		%REC	1	2/17/2005 4:14:00 AM
Surr: Nitrobenzene-d5	82.8	0	55-124		%REC	1	2/17/2005 4:14:00 AM
Surr: Phenol-d6	37.3	0	20-120		%REC	1	2/17/2005 4:14:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0502068-01
Project No:	G486003	**Collection Date:**	2/10/2005 8:05:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result		SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**					Analyst: **CC**	
Methane	0.00280		0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND		0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND		0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**					Analyst: **RPC**	
TPH-DRO C10-C28	ND	UJ	0.60	1.00		mg/L	1	2/15/2005 11:09:35 AM
TPH-ORO >C28-C35	ND	UJ	0.60	1.00		mg/L	1	2/15/2005 11:09:35 AM
Surr: o-Terphenyl	73.8		0	64-132		%REC	1	2/15/2005 11:09:35 AM
Surr: Octacosane	23.5		0	26-152	S	%REC	1	2/15/2005 11:09:35 AM
FERROUS IRON		**M3500-FE**					Analyst: **SCS**	
Iron, Ferrous	ND	UJ	0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**					Analyst: **IH**	
Iron	1400		50	100		µg/L	1	2/14/2005 2:09:00 PM
Manganese	32.3		3.0	10.0		µg/L	1	2/14/2005 2:09:00 PM
GAS (M8015)		**M8015V**					Analyst: **LY**	
Gasoline Range Organics	ND		0.060	0.200		mg/L	1	2/16/2005 6:09:22 PM
Surr: Chlorobenzene	118		0	74-138		%REC	1	2/16/2005 6:09:22 PM
SULFIDES-AQUEOUS		**E376.2**					Analyst: **JBC**	
Sulfide	0.0190	J	0.0050	0.00500		mg/L	1	2/11/2005 1:33:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: JBC	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:09:06 PM
Sulfate	2.1	1.0	3.00	J	mg/L	1	2/11/2005 1:09:06 PM
ALKALINITY		**E310.1**				Analyst: JBC	
Alkalinity, Bicarbonate (As CaCO3)	334	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	334	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: DO	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:50:00 AM
1,2,4-Trimethylbenzene	1.9	1.5	5.00	J	µg/L	1	2/15/2005 6:50:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 6:50:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Chloroethane	0.74	0.30	1.00	J	µg/L	1	2/15/2005 6:50:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 6:50:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 6:50:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 6:50:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 6:50:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 6:50:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 6:50:00 AM
Vinyl chloride	0.51	0.10	1.00	J	µg/L	1	2/15/2005 6:50:00 AM
Surr: 1,2-Dichloroethane-d4	98.6	0	72-119		%REC	1	2/15/2005 6:50:00 AM
Surr: 4-Bromofluorobenzene	93.8	0	76-119		%REC	1	2/15/2005 6:50:00 AM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 6:50:00 AM
Surr: Toluene-d8	99.9	0	81-120		%REC	1	2/15/2005 6:50:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 4:52:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Methylnaphthalene	6.20	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 4:52:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/20/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND UJ	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Fluorene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 4:52:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Naphthalene	1.8	1.0	4.00	J	µg/L	1	2/17/2005 4:52:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Phenanthrene	1.4	1.0	4.00	J	µg/L	1	2/17/2005 4:52:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 4:52:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 4:52:00 AM
Surr: 2,4,6-Tribromophenol	120	0	53-155		%REC	1	2/17/2005 4:52:00 AM
Surr: 2-Fluorobiphenyl	98.0	0	55-130		%REC	1	2/17/2005 4:52:00 AM
Surr: 2-Fluorophenol	55.2	0	25-120		%REC	1	2/17/2005 4:52:00 AM
Surr: 4-Terphenyl-d14	96.8	0	51-135		%REC	1	2/17/2005 4:52:00 AM
Surr: Nitrobenzene-d5	81.8	0	55-124		%REC	1	2/17/2005 4:52:00 AM
Surr: Phenol-d6	36.0	0	20-120		%REC	1	2/17/2005 4:52:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0502068-02
Project No:	G486003	**Collection Date:**	2/10/2005 9:15:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				**Analyst: CC**	
Methane	2.94	0.030	0.100		mg/L	100	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				**Analyst: RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
Surr: o-Terphenyl	86.3	0	64-132		%REC	1	2/15/2005 11:35:07 AM
Surr: Octacosane	80.5	0	26-152		%REC	1	2/15/2005 11:35:07 AM
FERROUS IRON		**M3500-FE**				**Analyst: SCS**	
Iron, Ferrous	0.265	J 0.050	0.100		mg/L	1	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				**Analyst: IH**	
Iron	834	50	100		µg/L	1	2/14/2005 2:13:00 PM
Manganese	55.1	3.0	10.0		µg/L	1	2/14/2005 2:13:00 PM
GAS (M8015)		**M8015V**				**Analyst: LY**	
Gasoline Range Organics	0.063	0.060	0.200	J	mg/L	1	2/16/2005 6:30:38 PM
Surr: Chlorobenzene	109	0	74-138		%REC	1	2/16/2005 6:30:38 PM
SULFIDES-AQUEOUS		**E376.2**				**Analyst: JBC**	
Sulfide	1.56	J 0.050	0.0500		mg/L	10	2/11/2005 1:41:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
TOTAL PETROLEUM HYDROCARBONS (TPH)		**TX1005**				Analyst: **LY**	
T/R Hydrocarbons: C6-C12	ND	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
T/R Hydrocarbons: >C12-C28	5.64	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
T/R Hydrocarbons: >C28-C35	ND	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
T/R Hydrocarbons: C6-C35	5.64	0.70	1.99		mg/L	1	2/21/2005 12:27:28 PM
Surr: 1-Chlorooctane	107	0	87-147		%REC	1	2/21/2005 12:27:28 PM
Surr: Octacosane	102	0	80-140		%REC	1	2/21/2005 12:27:28 PM
TPH FRACTIONATION WATER		**TX1006**				Analyst: **LY**	
C6-C8 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C8-C10 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C10-C12 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C12-C16 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
>C16-C21 Aliphatics	0.16	0.15	0.974	J	mg/L	1	2/24/2005 3:20:30 PM
>C21-C35 Aliphatics	ND	0.15	0.974		mg/L	1	2/24/2005 3:20:30 PM
C6-C35 Aliphatics	0.16	0.15	4.87	J	mg/L	1	2/24/2005 3:20:30 PM
>C8-C10 Aromatics	ND	0.15	0.974		mg/L	1	2/24/2005 4:16:38 PM
>C10-C12 Aromatics	ND	0.15	0.974		mg/L	1	2/24/2005 4:16:38 PM
>C12-C16 Aromatics	0.83	0.15	0.974	J	mg/L	1	2/24/2005 4:16:38 PM
>C16-C21 Aromatics	0.47	0.15	0.974	J	mg/L	1	2/24/2005 4:16:38 PM
>C21-C35 Aromatics	ND	0.15	0.974		mg/L	1	2/24/2005 4:16:38 PM
>C8-C35 Aromatics	1.3	0.15	4.87	J	mg/L	1	2/24/2005 4:16:38 PM
Surr: 1-Chlorooctane	78.2	0	60-120		%REC	1	2/24/2005 4:16:38 PM
Surr: Octacosane	90.4	0	60-120		%REC	1	2/24/2005 3:20:30 PM
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:24:25 PM
Sulfate	2.2	1.0	3.00	J	mg/L	1	2/11/2005 1:24:25 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	61.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	61.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst **DO**	
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:19:00 AM
1,2,4-Trimethylbenzene	8.88	1.5	5.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,3,5-Trimethylbenzene	4.8	1.5	5.00	J	µg/L	1	2/15/2005 7:19:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
2-Butanone	57.3	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Acetone	39.3	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Ethylbenzene	1.70	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 7:19:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
Isopropylbenzene	2.16	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 7:19:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
n-Propylbenzene	0.53	0.30	1.00	J	µg/L	1	2/15/2005 7:19:00 AM
Naphthalene	54.5	5.0	15.0		µg/L	1	2/15/2005 7:19:00 AM
o-Xylene	8.77	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
p-Isopropyltoluene	2.53	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
tert-Butylbenzene	2.15	0.30	1.00		µg/L	1	2/15/2005 7:19:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:19:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:19:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 7:19:00 AM
Surr: 1,2-Dichloroethane-d4	100	0	72-119		%REC	1	2/15/2005 7:19:00 AM
Surr: 4-Bromofluorobenzene	90.5	0	76-119		%REC	1	2/15/2005 7:19:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 7:19:00 AM
Surr: Toluene-d8	98.3	0	81-120		%REC	1	2/15/2005 7:19:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4,5-Trichlorophenol	1.4	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 5:30:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Methylnaphthalene	34.6	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Methylphenol	1.6	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Methylphenol	27.2	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 5:30:00 AM
Acenaphthene	3.2	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Benzoic acid	ND UJ	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM

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3/3/2005

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Fluorene	3.2	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Naphthalene	34.6	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Phenanthrene	3.0	1.0	4.00	J	µg/L	1	2/17/2005 5:30:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 5:30:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 5:30:00 AM
Surr: 2,4,6-Tribromophenol	133	0	53-155		%REC	1	2/17/2005 5:30:00 AM
Surr: 2-Fluorobiphenyl	99.5	0	55-130		%REC	1	2/17/2005 5:30:00 AM
Surr: 2-Fluorophenol	60.5	0	25-120		%REC	1	2/17/2005 5:30:00 AM
Surr: 4-Terphenyl-d14	103	0	51-135		%REC	1	2/17/2005 5:30:00 AM
Surr: Nitrobenzene-d5	86.0	0	55-124		%REC	1	2/17/2005 5:30:00 AM
Surr: Phenol-d6	41.2	0	20-120		%REC	1	2/17/2005 5:30:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0474	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	11.6	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 11:35:07 AM
Surr: o-Terphenyl	90.1	0	64-132		%REC	1	2/15/2005 11:35:07 AM
Surr: Octacosane	43.7	0	26-152		%REC	1	2/15/2005 11:35:07 AM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	7.38	J 1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	9830	50	100		µg/L	1	2/14/2005 2:17:00 PM
Manganese	24.3	3.0	10.0		µg/L	1	2/14/2005 2:17:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0502068-03
Project No:	G486003	**Collection Date:**	2/10/2005 10:30:00 AM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.350	0.060	0.200		mg/L	1	2/16/2005 6:51:56 PM
Surr: Chlorobenzene	122	0	74-138		%REC	1	2/16/2005 6:51:56 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	3.50	J 0.050	0.0500		mg/L	10	2/11/2005 1:50:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:39:45 PM
Sulfate	14.1	1.0	3.00		mg/L	1	2/11/2005 1:39:45 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 7:47:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 7:47:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 7:47:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 7:47:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 7:47:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 7:47:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 7:47:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 7:47:00 AM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	2/15/2005 7:47:00 AM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	2/15/2005 7:47:00 AM

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/20/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	2/15/2005 7:47:00 AM
Surr: Toluene-d8	95.6	0	81-120		%REC	1	2/15/2005 7:47:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 6:08:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 6:08:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND UJ	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:08:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 6:08:00 AM
Surr: 2,4,6-Tribromophenol	124	0	53-155		%REC	1	2/17/2005 6:08:00 AM
Surr: 2-Fluorobiphenyl	96.0	0	55-130		%REC	1	2/17/2005 6:08:00 AM
Surr: 2-Fluorophenol	62.2	0	25-120		%REC	1	2/17/2005 6:08:00 AM
Surr: 4-Terphenyl-d14	101	0	51-135		%REC	1	2/17/2005 6:08:00 AM
Surr: Nitrobenzene-d5	85.2	0	55-124		%REC	1	2/17/2005 6:08:00 AM
Surr: Phenol-d6	40.5	0	20-120		%REC	1	2/17/2005 6:08:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0502068-04
Project No:	G486003	**Collection Date:**	2/10/2005 12:30:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.0520	0.00030	0.00100		mg/L	1	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 12:12:38 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 12:12:38 PM
Surr: o-Terphenyl	87.0	0	64-132		%REC	1	2/15/2005 12:12:38 PM
Surr: Octacosane	87.3	0	26-152		%REC	1	2/15/2005 12:12:38 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	1.54	J 0.50	1.00		mg/L	10	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	1480	50	100		µg/L	1	2/14/2005 2:21:00 PM
Manganese	20.2	3.0	10.0		µg/L	1	2/14/2005 2:21:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 7:13:12 PM
Surr: Chlorobenzene	118	0	74-138		%REC	1	2/16/2005 7:13:12 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.211	J 0.0050	0.00500		mg/L	1	2/11/2005 1:50:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 1:55:08 PM
Sulfate	6.38	1.0	3.00		mg/L	1	2/11/2005 1:55:08 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	34.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	34.8	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:44:00 AM
1,2,4-Trimethylbenzene	3.6	1.5	5.00	J	µg/L	1	2/15/2005 8:44:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:44:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Benzene	0.49	0.20	1.00	J	µg/L	1	2/15/2005 8:44:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
cis-1,2-Dichloroethene	2.40	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Ethylbenzene	1.33	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 8:44:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
Isopropylbenzene	2.19	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 8:44:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 8:44:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
n-Propylbenzene	0.62	0.30	1.00	J	µg/L	1	2/15/2005 8:44:00 AM
Naphthalene	22.6	5.0	15.0		µg/L	1	2/15/2005 8:44:00 AM
o-Xylene	3.33	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
p-Isopropyltoluene	2.40	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:44:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:44:00 AM
Toluene	1.1	0.60	2.00	J	µg/L	1	2/15/2005 8:44:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:44:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:44:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 8:44:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	2/15/2005 8:44:00 AM
Surr: 4-Bromofluorobenzene	99.4	0	76-119		%REC	1	2/15/2005 8:44:00 AM

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8/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	2/15/2005 8:44:00 AM
Surr: Toluene-d8	95.6	0	81-120		%REC	1	2/15/2005 8:44:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/15/2005 10:52:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Methylnaphthalene	10.6	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
3,3'-Dichlorobenzidine	ND R	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Methylphenol	3.0	1.0	4.00	J	µg/L	1	2/15/2005 10:52:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/15/2005 10:52:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Aniline	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND UJ	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Fluorene	1.0	1.0	4.00	J	µg/L	1	2/15/2005 10:52:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Naphthalene	15.6 J	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Phenol	ND	2.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	2/15/2005 10:52:00 PM
Pyridine	ND UJ	4.0	10.0		µg/L	1	2/15/2005 10:52:00 PM
Surr: 2,4,6-Tribromophenol	106	0	42-124		%REC	1	2/15/2005 10:52:00 PM
Surr: 2-Fluorobiphenyl	91.2	0	48-120		%REC	1	2/15/2005 10:52:00 PM
Surr: 2-Fluorophenol	61.8	0	20-120		%REC	1	2/15/2005 10:52:00 PM
Surr: 4-Terphenyl-d14	88.5	0	51-135		%REC	1	2/15/2005 10:52:00 PM
Surr: Nitrobenzene-d5	90.8	0	41-120		%REC	1	2/15/2005 10:52:00 PM
Surr: Phenol-d6	40.0	0	20-120		%REC	1	2/15/2005 10:52:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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8/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0502068-05
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	1.48	0.030	0.100		mg/L	100	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	1.14	0.60	1.00		mg/L	1	2/14/2005 4:15:31 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/14/2005 4:15:31 PM
Surr: o-Terphenyl	73.7	0	64-132		%REC	1	2/14/2005 4:15:31 PM
Surr: Octacosane	6.28	0	26-152	S	%REC	1	2/14/2005 4:15:31 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	5.60	J 1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	5440	50	100		µg/L	1	2/14/2005 3:17:00 PM
Manganese	8.3	3.0	10.0	J	µg/L	1	2/14/2005 3:17:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.14	0.060	0.200	J	mg/L	1	2/16/2005 12:43:49 PM
Surr: Chlorobenzene	118	0	74-138		%REC	1	2/16/2005 12:43:49 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.10	J 0.050	0.0500		mg/L	10	2/11/2005 2:01:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 2:41:08 PM
Sulfate	9.62	1.0	3.00		mg/L	1	2/11/2005 2:41:08 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	17.0	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	17.0	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 8:16:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486003
Lab Order: 0502068

Client Sample ID: GPT-6-7
Lab ID: 0502068-06
Collection Date: 2/10/2005 3:15:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 8:16:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 8:16:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 8:16:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 8:16:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 8:16:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 8:16:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 8:16:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	2/15/2005 8:16:00 AM
Surr: 4-Bromofluorobenzene	103	0	76-119		%REC	1	2/15/2005 8:16:00 AM

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3/20/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	2/15/2005 8:16:00 AM
Surr: Toluene-d8	95.3	0	81-120		%REC	1	2/15/2005 8:16:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 6:46:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Methylnaphthalene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 6:46:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Methylphenol	1.2	1.0	4.00	J	µg/L	1	2/17/2005 6:46:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 6:46:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result		SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**					Analyst: **RPC**	
Benzoic acid	ND	UJ	4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Benzyl alcohol	ND		1.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-chloroethoxy)methane	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-chloroethyl)ether	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-chloroisopropyl)ether	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Bis(2-ethylhexyl)phthalate	ND		2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Butyl benzyl phthalate	ND		4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Carbazole	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Chrysene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Di-n-butyl phthalate	ND		4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Di-n-octyl phthalate	ND		4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Dibenz[a,h]anthracene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Dibenzofuran	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Diethyl phthalate	ND		4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Dimethyl phthalate	ND		4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Fluoranthene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Fluorene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Hexachlorobenzene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Hexachlorobutadiene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Hexachlorocyclopentadiene	ND		2.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Hexachloroethane	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Indeno[1,2,3-cd]pyrene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Isophorone	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
N-Nitrosodi-n-propylamine	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
N-Nitrosodiphenylamine	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Naphthalene	1.2		1.0	4.00	J	µg/L	1	2/17/2005 6:46:00 AM
Nitrobenzene	ND		2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Pentachlorophenol	ND		2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Phenanthrene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Phenol	ND		2.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Pyrene	ND		1.0	4.00		µg/L	1	2/17/2005 6:46:00 AM
Pyridine	ND		4.0	10.0		µg/L	1	2/17/2005 6:46:00 AM
Surr: 2,4,6-Tribromophenol	127		0	53-155		%REC	1	2/17/2005 6:46:00 AM
Surr: 2-Fluorobiphenyl	99.5		0	55-130		%REC	1	2/17/2005 6:46:00 AM
Surr: 2-Fluorophenol	60.8		0	25-120		%REC	1	2/17/2005 6:46:00 AM
Surr: 4-Terphenyl-d14	104		0	51-135		%REC	1	2/17/2005 6:46:00 AM
Surr: Nitrobenzene-d5	85.8		0	55-124		%REC	1	2/17/2005 6:46:00 AM
Surr: Phenol-d6	39.5		0	20-120		%REC	1	2/17/2005 6:46:00 AM
DISSOLVED GAS		**RSKERR**					Analyst: **CC**	

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9/3/2005

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0502068-06
Project No:	G486003	**Collection Date:**	2/10/2005 3:15:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	0.153	0.0030	0.0100		mg/L	10	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
Surr: o-Terphenyl	91.7	0	64-132		%REC	1	2/15/2005 12:37:34 PM
Surr: Octacosane	84.7	0	26-152		%REC	1	2/15/2005 12:37:34 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	3.83	J 1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	3980	50	100		µg/L	1	2/14/2005 2:25:00 PM
Manganese	52.1	3.0	10.0		µg/L	1	2/14/2005 2:25:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	ND	0.060	0.200		mg/L	1	2/16/2005 7:34:40 PM
Surr: Chlorobenzene	114	0	74-138		%REC	1	2/16/2005 7:34:40 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.168	J 0.0050	0.00500		mg/L	1	2/11/2005 2:01:00 PM

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486003
Lab Order: 0502068

Client Sample ID: Trip Blank
Lab ID: 0502068-07
Collection Date: 2/10/2005
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 2:02:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Benzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM

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9/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0502068-07
Project No:	G486003	**Collection Date:**	2/10/2005
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 2:02:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 2:02:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	2/15/2005 2:02:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 2:02:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
Toluene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 2:02:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 2:02:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 2:02:00 AM
Surr: 1,2-Dichloroethane-d4	100	0	72-119		%REC	1	2/15/2005 2:02:00 AM
Surr: 4-Bromofluorobenzene	97.8	0	76-119		%REC	1	2/15/2005 2:02:00 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	2/15/2005 2:02:00 AM
Surr: Toluene-d8	98.6	0	81-120		%REC	1	2/15/2005 2:02:00 AM

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SQL - Sample Quantitation Limit
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8/13/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	2/11/2005 2:56:29 PM
Sulfate	5.23	1.0	3.00		mg/L	1	2/11/2005 2:56:29 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	36.1	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
Alkalinity, Total (As CaCO3)	36.1	10	10.0		mg/L	1	2/16/2005 1:20:00 PM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	2/15/2005 9:13:00 AM
1,2,4-Trimethylbenzene	3.9	1.5	5.00	J	µg/L	1	2/15/2005 9:13:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	2/15/2005 9:13:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Acetone	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Benzene	0.54	0.20	1.00	J	µg/L	1	2/15/2005 9:13:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM

Qualifiers:

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S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486003
Lab Order: 0502068

Client Sample ID: GPT-6-6-DUP
Lab ID: 0502068-08
Collection Date: 2/10/2005 1:40:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
cis-1,2-Dichloroethene	2.62	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Ethylbenzene	1.41	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	2/15/2005 9:13:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	2/15/2005 9:13:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	2/15/2005 9:13:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
n-Propylbenzene	0.63	0.30	1.00	J	µg/L	1	2/15/2005 9:13:00 AM
Naphthalene	24.2	5.0	15.0		µg/L	1	2/15/2005 9:13:00 AM
o-Xylene	3.47	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
p-Isopropyltoluene	2.41	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Styrene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	2/15/2005 9:13:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 9:13:00 AM
Toluene	1.3	0.60	2.00	J	µg/L	1	2/15/2005 9:13:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	2/15/2005 9:13:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	2/15/2005 9:13:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	2/15/2005 9:13:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	2/15/2005 9:13:00 AM
Surr: 4-Bromofluorobenzene	100	0	76-119		%REC	1	2/15/2005 9:13:00 AM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **DO**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	2/15/2005 9:13:00 AM
Surr: Toluene-d8	96.2	0	81-120		%REC	1	2/15/2005 9:13:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	2/17/2005 7:24:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Methylnaphthalene	12.4	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Methylphenol	4.60	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	2/17/2005 7:24:00 AM
Acenaphthene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 7:24:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Aniline	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM

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9/3/20/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **RPC**	
Benzoic acid	ND UJ	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Fluorene	1.2	1.0	4.00	J	µg/L	1	2/17/2005 7:24:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Naphthalene	17.6	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Phenanthrene	1.0	1.0	4.00	J	µg/L	1	2/17/2005 7:24:00 AM
Phenol	ND	2.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	2/17/2005 7:24:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	2/17/2005 7:24:00 AM
Surr: 2,4,6-Tribromophenol	123	0	53-155		%REC	1	2/17/2005 7:24:00 AM
Surr: 2-Fluorobiphenyl	93.3	0	55-130		%REC	1	2/17/2005 7:24:00 AM
Surr: 2-Fluorophenol	59.5	0	25-120		%REC	1	2/17/2005 7:24:00 AM
Surr: 4-Terphenyl-d14	98.2	0	51-135		%REC	1	2/17/2005 7:24:00 AM
Surr: Nitrobenzene-d5	83.8	0	55-124		%REC	1	2/17/2005 7:24:00 AM
Surr: Phenol-d6	39.8	0	20-120		%REC	1	2/17/2005 7:24:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	

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3/30/05

DHL Analytical

Date: *07-Mar-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6-DUP
Project Name:	Gulfport	**Lab ID:**	0502068-08
Project No:	G486003	**Collection Date:**	2/10/2005 1:40:00 PM
Lab Order:	0502068	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **CC**	
Methane	1.60	0.030	0.100		mg/L	100	2/14/2005 11:38:00 AM
Ethane	ND	0.00060	0.00200		mg/L	1	2/14/2005 11:38:00 AM
Ethylene	ND	0.0010	0.00300		mg/L	1	2/14/2005 11:38:00 AM
GC/FID - WATER DRO+ORO		**M8015D**				Analyst: **RPC**	
TPH-DRO C10-C28	1.33	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	2/15/2005 12:37:34 PM
Surr: o-Terphenyl	82.0	0	64-132		%REC	1	2/15/2005 12:37:34 PM
Surr: Octacosane	47.8	0	26-152		%REC	1	2/15/2005 12:37:34 PM
FERROUS IRON		**M3500-FE**				Analyst: **SCS**	
Iron, Ferrous	5.62	J 1.2	2.50		mg/L	25	2/15/2005 9:34:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **IH**	
Iron	5480	50	100		µg/L	1	2/14/2005 2:30:00 PM
Manganese	8.7	3.0	10.0	J	µg/L	1	2/14/2005 2:30:00 PM
GAS (M8015)		**M8015V**				Analyst: **LY**	
Gasoline Range Organics	0.15	0.060	0.200	J	mg/L	1	2/16/2005 7:56:12 PM
Surr: Chlorobenzene	119	0	74-138		%REC	1	2/16/2005 7:56:12 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.16	J 0.050	0.0500		mg/L	10	2/11/2005 2:01:00 PM

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3/30/05

APPENDIX D:

Data Validation Reports for August 2005

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Battelle
505 King Ave
Columbus, OH 43201-2693
ATTN: Ms. Lydia Cumming

September 26, 2005

SUBJECT: NCBC Gulfport, Data Validation

Dear Ms. Cumming,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on September 12, 2005. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 14019:

SDG #	Fraction
0508208, 0508225, 0508237	Volatiles, Semivolatiles, Dissolved Iron & Manganese, Wet Chemistry, Gasoline Range Organics, Diesel Range Organics & Oil Range Organics, Methane-Ethane-Ethene

The data validation was performed under EPA Level III and IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

V:\LOGIN\Battelle\Gulfport\14019COV.wpd

Attachment 1

LDC #14019 (Battelle-Columbus, OH / NCBC Gulfport)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260B)		SVOA (8270C)		Diss. Fe, Mn (6010B)		DRO ORO (8015)		Methane Ethane Ethene		Alk. (310.1)		NO_3-N (300.0)		SO_4 (300.0)		Fell (3500)		S= (376.1)																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	0508208	09/12/05	10/03/05	2	0	2	0	2	0	2	0	3	0	3	0	2	0	2	0	4	0	4	0																
B	0508225	09/12/05	10/03/05	11	0	8	0	8	0	8	0	8	0	9	0	10	0	10	0	8	0	8	0																
C	0508237	09/12/05	10/03/05	5	0	4	0	4	0	4	0	4	0	5	0	6	0	6	0	6	0	4	0																
C	0508237	09/12/05	10/03/05	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0																
Total	B/LR			19	0	15	0	15	0	15	0	16	0	18	0	19	0	19	0	19	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	172

Shaded cells indicate Level IV validation (all other cells are Level III validation).

14019ST.wpd

NCBC Gulfport, MS
Data Validation Reports
LDC# 14019

0508208

LDC Report# 14019A1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 23, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508208

Sample Identification

GPT-6-PZ4
GPT-6-9

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

LDC #: 14019A1
SDG #: 0508208
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: JVK
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/23/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r²
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	GPT-6-2 from 0508225
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentitatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples

Water

1	GPT-6-PZ4	11		21		31	
2	GPT-6-9	12		22		32	
3	MB-20103	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC Report# 14019A2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 23, 2005

LDC Report Date: September 16, 2005

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508208

Sample Identification

GPT-6-PZ4
GPT-6-9

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
9/6/05	Benzoic acid	26.5	All samples in SDG 0508208	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 0508208

SDG	Sample	Compound	Flag	A or P	Reason
0508208	GPT-6-PZ4 GPT-6-9	Benzoic acid	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

LDC #: 14019A2
SDG #: 0508208
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: JM
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/23/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD r
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client specified
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentitatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples

Water

1	GPT-6-PZ4	11		21		31	
2	GPT-6-9	12		22		32	
3	MB-20060	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 14019 A2
SDG #: 0508208

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/06/05	05090702	Benzoic Acid	26.5		All + Blk	J/UJ/A

CONCAL.2S

LDC Report# 14019A4

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 23, 2005

LDC Report Date: September 15, 2005

Matrix: Water

Parameters: Dissolved Iron & Manganese

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508208

Sample Identification

GPT-6-PZ4
GPT-6-9

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 6020 for Dissolved Iron & Manganese.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks

No field blanks were identified in this SDG.

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

V. Matrix Spike Analysis

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Duplicate Sample Analysis

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Internal Standards

ICP-MS was not reviewed for this SDG.

NCBC Gulfport, MS
Dissolved Iron & Manganese - Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Dissolved Iron & Manganese - Laboratory Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Dissolved Iron & Manganese - Field Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

LDC #: 14019A4
SDG #: 0508208
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9-14-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: Dissolved Iron & Manganese (EPA SW 846 Method 6020)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8-23-05
II.	Calibration	A	
III.	Blanks	A	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Matrix Spike Analysis	N	Client specified
VI.	Duplicate Sample Analysis	N	" "
VII.	Laboratory Control Samples (LCS)	A	LCS/LCSD
VIII.	Internal Standard (ICP-MS)	N	Not reviewed
IX.	Furnace Atomic Absorption QC	N	Not utilized
X.	ICP Serial Dilution	N	Not performed
XI.	Sample Result Verification	N	
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	N	
XIV.	Field Blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:
all water

1	GPT-6-PZ4	11		21		31	
2	GPT-6-9	12		22		32	
3	PBW	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 14019A4
SDG #: 0508708

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Page: 1 of 1
Reviewer: MG
2nd reviewer: MM

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1, 2	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
ICP Trace		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
ICP-MS	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN-,

Comments: Mercury by CVAA if performed

LDC Report# 14019A6

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 23, 2005

LDC Report Date: September 15, 2005

Matrix: Water

Parameters: Wet Chemistry

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508208

Sample Identification

GPT-6-PZ4
GPT-6-9
GPT-6-PZ4MS
GPT-6-PZ4MSD
GPT-6-9DUP

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 300.0 for Nitrate as Nitrogen and Sulfate, EPA Method 310.1 for Alkalinity, EPA Method 376.1 for Sulfide, and Standard Method 3500 for Ferrous Iron.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
8/26/05	ICV	Sulfide	111 (90-110)	All samples in SDG 0508208	J (all detects)	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
GPT-6-11MS/MSD (All samples in SDG 0508208)	Nitrate as N	-	111 (90-110)	-	J (all detects)	A

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Wet Chemistry - Data Qualification Summary - SDG 0508208

SDG	Sample	Analyte	Flag	A or P	Reason
0508208	GPT-6-PZ4 GPT-6-9	Sulfide	J (all detects)	P	Continuing calibration (%D)
0508208	GPT-6-PZ4 GPT-6-9	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)

NCBC Gulfport, MS
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Wet Chemistry - Field Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

LDC #: 14019A6
SDG #: 0508208
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9-14-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: (Analyte) Alkalinity (EPA Method 310.1), Ferrous Iron (SM3500), Nitrate-N, Sulfate (EPA Method 300.0), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8-23-05
IIa.	Initial calibration	A	
IIb.	Calibration verification	SW	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	SW	MS/MSD (SDG: 0508225)
V	Duplicates	A	DUP (↓)
VI.	Laboratory control samples	A	LCS/LCSD
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:
all water

1	GPT-6-PZ4	11		21		31	
2	GPT-6-9	12		22		32	
3	GPT-6-PZ4MS	13		23		33	
4	GPT-6-PZ4MSD	14		24		34	
5	GPT-6-9DUP	15		25		35	
6	PBW	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 14019A6
SDG #: 0508208

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Page: 1 of 1
Reviewer: MG
2nd reviewer: MY

All circled methods are applicable to each sample.

Sample ID	Matrix	Parameter
1, 2	W	pH TDS Cl F (NO3) NO2 (SO4) PO4 (ALK) CN- NH3 TKN TOC CR6+ ClO4 Br (Ferrous Fe) (S)
QC 3, 4	↓	pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br (Ferrous Fe) (S)
↓ 5	↓	pH TDS Cl F NO3 NO2 SO4 PO4 (ALK) CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br

Comments:

LDC #: 14019A6
SDG #: 0508208

VALIDATION FINDINGS WORKSHEET
Calibration

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, EPA Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all instruments calibrated daily, each set-up time, and were the proper number of standards used?
Y N N/A Were all initial and continuing calibration verification percent recoveries (%R) within the control limits of 90-110% ?
Y N N/A Are all correlation coefficients ≥0.995 ?

LEVEL IV/D ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Initial and Continuing Calibration Recaluculation Worksheet for recalulations.
Y N N/A Was a balance check conducted prior to the TDS analysis.?
Y N N/A Was the titrant normality checked?

#	Date	Calibration ID	Analyte	%R	Associated Samples	Qualifications
1	8-26-05	ICV	S	111 (90-110)	all	J dets / P

Comments:

LDC #: 14019A6
SDG #: 0508208

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, EPA Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y N N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤35% for soil samples?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	GPT-6-11 MS/MSD	Water	NO3-N		111 (90-110)		all	J dets /A

Comments:

MSD.6

LDC Report# 14019A8

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 23, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Diesel Range Organics & Oil Range Organics

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508208

Sample Identification

GPT-6-PZ4
GPT-6-9

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Diesel Range Organics and Oil Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic or oil range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Laboratory Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Field Blank Data Qualification Summary - SDG 0508208

No Sample Data Qualified in this SDG

LDC #: 14019A8
SDG #: 0508208
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC Diesel Range Organics & Oil Range Organics (EPA SW 846 Method 8015)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/23/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	% R = 85-115 %
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	N	Client specified
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples: Water

1	GPT-6-PZ4	11		21		31	
2	GPT-6-9	12		22		32	
3	MB-20107	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC Report# 14019A51

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 23, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Methane, Ethane, & Ethene

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508208

Sample Identification

GPT-6-PZ4
GPT-6-9
GPT-6-PZ4DUP

Introduction

This data review covers 3 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method RSK-ERR for Methane, Ethane, and Ethene.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No methane, ethane, or ethene contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were not required by the method.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

LDC #: 14019A51
SDG #: 0508208
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: SVZ
2nd Reviewer: [illegible]

METHOD: GC Methane, Ethane & Ethene (Method RSK-ERR)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/23/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IVa.	Surrogate recovery	N	Not req'd.
IVb.	Matrix spike/Matrix spike duplicates / lab Dup	N / A	Client specified
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	GPT-6-PZ4	11		21		31	
2	GPT-6-9	12		22		32	
3	GPT-6-PZ4DUP	13		23		33	
4	MB-050830A	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

A

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 11:06:12 AM
Sulfate	4.22	1.0	3.00	J	mg/L	1	8/25/2005 11:06:12 AM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	126	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
Alkalinity, Total (As CaCO3)	126	10	10.0		mg/L	1	8/29/2005 9:25:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:58:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/25/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 3:58:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 3:58:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 3:58:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:58:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:58:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:58:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 3:58:00 AM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	8/31/2005 3:58:00 AM
Surr: 4-Bromofluorobenzene	94.4	0	76-119		%REC	1	8/31/2005 3:58:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/25/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 3:58:00 AM
Surr: Toluene-d8	95.1	0	81-120		%REC	1	8/31/2005 3:58:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 1:48:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 1:48:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM

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9/25/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/7/2005 1:48:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:48:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 1:48:00 AM
Surr: 2,4,6-Tribromophenol	106	0	53-155		%REC	1	9/7/2005 1:48:00 AM
Surr: 2-Fluorobiphenyl	100	0	55-130		%REC	1	9/7/2005 1:48:00 AM
Surr: 2-Fluorophenol	63.3	0	25-120		%REC	1	9/7/2005 1:48:00 AM
Surr: 4-Terphenyl-d14	117	0	51-135		%REC	1	9/7/2005 1:48:00 AM
Surr: Nitrobenzene-d5	101	0	55-124		%REC	1	9/7/2005 1:48:00 AM
Surr: Phenol-d6	42.8	0	20-120		%REC	1	9/7/2005 1:48:00 AM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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9/25/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-PZ4
Project Name:	Gulfport	**Lab ID:**	0508208-01
Project No:	G486352-03	**Collection Date:**	8/23/2005 1:40:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	ND	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 8:22:33 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 8:22:33 PM
Surr: o-Terphenyl	91.8	0	64-132		%REC	1	8/30/2005 8:22:33 PM
Surr: Octacosane	118	0	26-152		%REC	1	8/30/2005 8:22:33 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	8/25/2005 10:19:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	ND	50	100		µg/L	1	8/29/2005 4:12:00 PM
Manganese	5.1	3.0	10.0	J	µg/L	1	8/29/2005 4:12:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:08:00 PM

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9/15/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 11:20:12 AM
Sulfate	9.15	1.0	3.00	J	mg/L	1	8/25/2005 11:20:12 AM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 9:28:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,1-Dichloroethene	0.30	0.20	1.00	J	µg/L	1	8/31/2005 3:34:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:34:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM

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9/9/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 3:34:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 3:34:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 3:34:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:34:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:34:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:34:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 3:34:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/31/2005 3:34:00 AM
Surr: 4-Bromofluorobenzene	95.4	0	76-119		%REC	1	8/31/2005 3:34:00 AM

Qualifiers:

ND - Not Detected at the SQL
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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/12/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 3:34:00 AM
Surr: Toluene-d8	95.2	0	81-120		%REC	1	8/31/2005 3:34:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 2:25:00 AM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 2:25:00 AM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM

Qualifiers:

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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/28/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				**Analyst: DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/7/2005 2:25:00 AM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Fluorene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Naphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:25:00 AM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 2:25:00 AM
Surr: 2,4,6-Tribromophenol	105	0	53-155		%REC	1	9/7/2005 2:25:00 AM
Surr: 2-Fluorobiphenyl	100	0	55-130		%REC	1	9/7/2005 2:25:00 AM
Surr: 2-Fluorophenol	62.0	0	25-120		%REC	1	9/7/2005 2:25:00 AM
Surr: 4-Terphenyl-d14	113	0	51-135		%REC	1	9/7/2005 2:25:00 AM
Surr: Nitrobenzene-d5	104	0	55-124		%REC	1	9/7/2005 2:25:00 AM
Surr: Phenol-d6	41.5	0	20-120		%REC	1	9/7/2005 2:25:00 AM
DISSOLVED GAS		**RSKERR**				**Analyst: SCS**	

Qualifiers:

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DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/25/05

DHL Analytical

Date: *12-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-9
Project Name:	Gulfport	**Lab ID:**	0508208-02
Project No:	G486352-03	**Collection Date:**	8/23/2005 3:00:00 PM
Lab Order:	0508208	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.00517	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 8:47:29 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 8:47:29 PM
Surr: o-Terphenyl	99.0	0	64-132		%REC	1	8/30/2005 8:47:29 PM
Surr: Octacosane	128	0	26-152		%REC	1	8/30/2005 8:47:29 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	2.27	0.25	0.500		mg/L	5	8/25/2005 10:40:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	2460	50	100		µg/L	1	8/29/2005 4:16:00 PM
Manganese	29.1	3.0	10.0		µg/L	1	8/29/2005 4:16:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0169	0.0050	0.00500		mg/L	1	8/26/2005 1:09:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

NCBC Gulfport, MS
Data Validation Reports
LDC# 14019

0508225

LDC Report# 14019B1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 24, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508225

Sample Identification

GPT-6-2
GPT-6-7
Trip Blank
GPT-6-6
GPT-6-3
GPT-6-13
GPT-6-12
GPT-6-10
GPT-6-11
GPT-6-2MS
GPT-6-2MSD

Introduction

This data review covers 11 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample "Trip Blank" was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

LDC #: 14019B1

SDG #: 0508225

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 9/13/05

Page: 1 of 1

Reviewer: JTG

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/24/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r^2
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentitatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	TB = 3

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples

Water

1	GPT-6-2	11	GPT-6-2MSD	21		31	
2	GPT-6-7	12	MB-20103	22		32	
3	Trip Blank	13		23		33	
4	GPT-6-6	14		24		34	
5	GPT-6-3	15		25		35	
6	GPT-6-13	16		26		36	
7	GPT-6-12	17		27		37	
8	GPT-6-10	18		28		38	
9	GPT-6-11	19		29		39	
10	GPT-6-2MS	20		30		40	

LDC Report# 14019B2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 24, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508225

Sample Identification

GPT-6-2
GPT-6-7
GPT-6-6
GPT-6-3
GPT-6-13
GPT-6-12
GPT-6-10
GPT-6-11

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

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A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
LCS/D2010 (All samples in SDG 0508225)	Benzoic acid	18.5 (20-120)	19.5 (20-120)	-	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 0508225

SDG	Sample	Compound	Flag	A or P	Reason
0508225	GPT-6-2 GPT-6-7 GPT-6-6 GPT-6-3 GPT-6-13 GPT-6-12 GPT-6-10 GPT-6-11	Benzoic acid	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

LDC #: 14019B2
SDG #: 0508225
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: VG
2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/24/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD , r²
IV.	Continuing calibration		
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client specified
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentitatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples

Water

1	GPT-6-2	11		21		31	
2	GPT-6-7	12		22		32	
3	GPT-6-6	13		23		33	
4	GPT-6-3	14		24		34	
5	GPT-6-13	15		25		35	
6	GPT-6-12	16		26		36	
7	GPT-6-10	17		27		37	
8	GPT-6-11	18		28		38	
9	MB-20109	19		29		39	
10		20		30		40	

LDC #: 14019B2
SDG #: 0508225

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y (N) N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		LCS/D 20101	Benzoic Acid	18.5 (20-120)	19.5 (20-120)	( )	All + BLK	J/UJ/P
				( )	( )	( )		
				( )	( )	( )	— — —	—
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC Report# 14019B4

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 24, 2005

LDC Report Date: September 15, 2005

Matrix: Water

Parameters: Dissolved Iron & Manganese

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508225

Sample Identification

GPT-6-2
GPT-6-7
GPT-6-6
GPT-6-3
GPT-6-13
GPT-6-12
GPT-6-10
GPT-6-11

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 6020 for Dissolved Iron & Manganese.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Method Blank ID	Analyte	Maximum Concentration	Associated Samples
ICB/CCB	Manganese	8.147 ug/L	All samples in SDG 0508225

Data qualification by the initial, continuing and preparation blanks (ICB/CCB/PBs) was based on the maximum contaminant concentration in the ICB/CCB/PBs in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
GPT-6-6	Manganese	3.5 ug/L	3.5U ug/L
GPT-6-3	Manganese	22.8 ug/L	22.8U ug/L
GPT-6-13	Manganese	9.2 ug/L	9.2U ug/L
GPT-6-12	Manganese	16.8 ug/L	16.8U ug/L
GPT-6-10	Manganese	21.3 ug/L	21.3U ug/L
GPT-6-11	Manganese	3.4 ug/L	3.4U ug/L

No field blanks were identified in this SDG.

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

V. Matrix Spike Analysis

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VI. Duplicate Sample Analysis

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Internal Standards

ICP-MS was not reviewed for this SDG.

IX. Furnace Atomic Absorption QC

Graphite furnace atomic absorption was not utilized in this SDG.

X. ICP Serial Dilution

ICP serial dilution was not performed for this SDG.

XI. Sample Result Verification

Raw data were not reviewed for this SDG.

XII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XIII. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Dissolved Iron & Manganese - Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Dissolved Iron & Manganese - Laboratory Blank Data Qualification Summary - SDG 0508225

SDG	Sample	Analyte	Modified Final Concentration	A or P
0508225	GPT-6-6	Manganese	3.5U ug/L	A
0508225	GPT-6-3	Manganese	22.8U ug/L	A
0508225	GPT-6-13	Manganese	9.2U ug/L	A
0508225	GPT-6-12	Manganese	16.8U ug/L	A
0508225	GPT-6-10	Manganese	21.3U ug/L	A
0508225	GPT-6-11	Manganese	3.4U ug/L	A

NCBC Gulfport, MS
Dissolved Iron & Manganese - Field Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

LDC #: 14019B4
SDG #: 0508225
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9-14-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: Dissolved Iron & Manganese (EPA SW 846 Method 6020)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8-24-05
II.	Calibration	A	
III.	Blanks	SW	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Matrix Spike Analysis	N	Client specified
VI.	Duplicate Sample Analysis	N	" "
VII.	Laboratory Control Samples (LCS)	A	LCS/LCSD
VIII.	Internal Standard (ICP-MS)	N	Not reviewed
IX.	Furnace Atomic Absorption QC	N	Not utilized
X.	ICP Serial Dilution	N	Not performed
XI.	Sample Result Verification	N	
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	N	
XIV.	Field Blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: all water

1	GPT-6-2	11		21		31	
2	GPT-6-7	12		22		32	
3	GPT-6-6	13		23		33	
4	GPT-6-3	14		24		34	
5	GPT-6-13	15		25		35	
6	GPT-6-12	16		26		36	
7	GPT-6-10	17		27		37	
8	GPT-6-11	18		28		38	
9	PBW	19		29		39	
10		20		30		40	

Notes:

LDC #: 14019B4
SDG #: 0508225

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: MG
2nd reviewer: MM

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1 → 8	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
ICP Trace		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
ICP-MS	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻,

Comments: Mercury by CVAA if performed

LDC #: 14019 B4
SDG #: 0508225

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MH

METHOD: Trace Metals (EPA SW 846 Method 6010/7000) Soil preparation factor applied: NA
Sample Concentration units, unless otherwise noted: µg/L Associated Samples: all

					Sample Identification										
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (ug/L)	Maximum ICB/CCB[a] (ug/L)	Blank Action Limit	3	4	5	6	7	8					
Al															Al
Sb															Sb
As															As
Ba															Ba
Be															Be
Cd															Cd
Ca															Ca
Cr															Cr
Co															Co
Cu															Cu
Fe															Fe
Pb															Pb
Mg															Mg
Mn			8.147	40.74	3.5	22.8	9.2	16.8	21.3	3.4					Mn
Hg															Hg
Ni															Ni
K															K
Se															Se
Ag															Ag
Na															Na
Tl															Tl
V															V
Zn															Zn
B															B
Mo															Mo
Sr															Sr

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

BLNKSMP.4S2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 24, 2005

LDC Report Date: September 15, 2005

Matrix: Water

Parameters: Wet Chemistry

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508225

Sample Identification

GPT-6-2
GPT-6-7
GPT-6-6
GPT-6-3
GPT-6-13
GPT-6-12
GPT-6-10
GPT-6-11
GPT-6-11MS
GPT-6-11MSD
GPT-6-11DUP

Introduction

This data review covers 11 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 300.0 for Nitrate as Nitrogen and Sulfate, EPA Method 310.1 for Alkalinity, EPA Method 376.1 for Sulfide, and Standard Method 3500 for Ferrous Iron.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
8/26/05	ICV	Sulfide	111 (90-110)	All samples in SDG 0508225	J (all detects)	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
GPT-6-11MS/MSD (All samples in SDG 0508225)	Nitrate as N	-	111 (90-110)	-	J (all detects)	A

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Wet Chemistry - Data Qualification Summary - SDG 0508225

SDG	Sample	Analyte	Flag	A or P	Reason
0508225	GPT-6-2 GPT-6-7 GPT-6-6 GPT-6-3 GPT-6-13 GPT-6-12 GPT-6-10 GPT-6-11	Sulfide	J (all detects)	P	Continuing calibration (%D)
0508225	GPT-6-2 GPT-6-7 GPT-6-6 GPT-6-3 GPT-6-13 GPT-6-12 GPT-6-10 GPT-6-11	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)

NCBC Gulfport, MS
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Wet Chemistry - Field Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

LDC #: 14019B6
SDG #: 0508225
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9-14-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: (Analyte) Alkalinity (EPA Method 310.1), Ferrous Iron (SM3500), Nitrate-N, Sulfate (EPA Method 300.0), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8-24-05
IIa.	Initial calibration	A	
IIb.	Calibration verification	SW	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	SW	MS/MSD (SDG: 0508208)
V	Duplicates	A	DUP (SDG: 0508208)
VI	Laboratory control samples	A	LCS/LCSD
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:
all water

1	GPT-6-2	11	GPT-6-11DUP	21		31	
2	GPT-6-7	12		22		32	
3	GPT-6-6	13		23		33	
4	GPT-6-3	14		24		34	
5	GPT-6-13	15		25		35	
6	GPT-6-12	16		26		36	
7	GPT-6-10	17		27		37	
8	GPT-6-11	18		28		38	
9	GPT-6-11MS	19		29		39	
10	GPT-6-11MSD	20		30		40	

Notes:

LDC #: 1401986
SDG #: 0508225

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Page: 1 of 1
Reviewer: MG
2nd reviewer: MM

All circled methods are applicable to each sample.

Sample ID	Matrix	Parameter
1→8	W	pH TDS Cl F (NO3) NO2 (SO4) PO4 (ALK) CN- NH3 TKN TOC CR6+ ClO4 Br (Ferrous Fe) (S)
QC 9,10	↓	pH TDS Cl F (NO3) NO2 (SO4) PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
↓ 11	↓	pH TDS Cl F NO3 NO2 SO4 PO4 (ALK) CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br

Comments:

LDC #: 14019B6
SDG #: 0508225

VALIDATION FINDINGS WORKSHEET
Calibration

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, EPA Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were all instruments calibrated daily, each set-up time, and were the proper number of standards used?
Y (N) N/A Were all initial and continuing calibration verification percent recoveries (%R) within the control limits of 90-110% ?
(Y) N N/A Are all correlation coefficients ≥0.995 ?

LEVEL IV/D ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Initial and Continuing Calibration Recaluculation Worksheet for recalulations.
Y N N/A Was a balance check conducted prior to the TDS analysis.?
Y N N/A Was the titrant normality checked?

#	Date	Calibration ID	Analyte	%R		Associated Samples	Qualifications
1	8-26-05	ICV	S	111	(90-110)	all	J dets / P
	↓		↓		↓		
2	↓	CCV 3	↓	84.4	(↓)		J/UJ/P

MY

Comments:

CAL.6

LDC #: 14019B6
SDG #: 0508725

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MG

METHOD: Inorganics, EPA Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

(Y) N N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤35% for soil samples?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	9/10	water	NO_3-N		111 (90-110)		all	J dets/A

Comments:

MSD.6

LDC Report# 14019B8

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 24, 2005

LDC Report Date: September 22, 2005

Matrix: Water

Parameters: Diesel Range Organics & Oil Range Organics

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508225

Sample Identification

GPT-6-2
GPT-6-7
GPT-6-6
GPT-6-3
GPT-6-13
GPT-6-12
GPT-6-10
GPT-6-11

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Diesel Range Organics and Oil Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic or oil range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Laboratory Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Field Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

LDC #: 14019B8
SDG #: 0508225
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: JVG
2nd Reviewer: g

METHOD: GC Diesel Range Organics & Oil Range Organics (EPA SW 846 Method 8015)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/24/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	%R = 85-115 2
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	N	Client specified
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples: Water

1	GPT-6-2	11		21		31	
2	GPT-6-7	12		22		32	
3	GPT-6-6	13		23		33	
4	GPT-6-3	14		24		34	
5	GPT-6-13	15		25		35	
6	GPT-6-12	16		26		36	
7	GPT-6-10	17		27		37	
8	GPT-6-11	18		28		38	
9	MB-20073	19		29		39	
10		20		30		40	

Notes:

LDC Report# 14019B51

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 24, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Methane, Ethane, & Ethene

Validation Level: EPA Level III

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508225

Sample Identification

GPT-6-2
GPT-6-7
GPT-6-6
GPT-6-3
GPT-6-13
GPT-6-12
GPT-6-10
GPT-6-11

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method RSK-ERR for Methane, Ethane, and Ethene.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No methane, ethane, or ethene contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were not required by the method.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Laboratory Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Field Blank Data Qualification Summary - SDG 0508225

No Sample Data Qualified in this SDG

LDC #: 14019B51
SDG #: 0508225
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 9/13/05
Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC Methane, Ethane & Ethene (Method RSK-ERR)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/24/05
IIa.	Initial calibration	A	%RS ≤ 20%
IIb.	Calibration verification	A	%D ≤ 20%
III.	Blanks	A	
IVa.	Surrogate recovery	N	Not req'd.
IVb.	Matrix spike/Matrix spike duplicates / Lab Dup	N / A	Client specified / GPT-6-P24 from 0508208
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	GPT-6-2	11		21		31	
2	GPT-6-7	12		22		32	
3	GPT-6-6	13		23		33	
4	GPT-6-3	14		24		34	
5	GPT-6-13	15		25		35	
6	GPT-6-12	16		26		36	
7	GPT-6-10	17		27		37	
8	GPT-6-11	18		28		38	
9	MB - 050830A	19		29		39	
10		20		30		40	

Notes:

B

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:09:12 PM
Sulfate	6.54	1.0	3.00		mg/L	1	8/25/2005 3:09:12 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:30:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:10:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-2
Lab ID: 0508225-01
Collection Date: 8/24/2005 8:05:00 AM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 11:10:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 11:10:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 11:10:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:10:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:10:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:10:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 11:10:00 PM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/30/2005 11:10:00 PM
Surr: 4-Bromofluorobenzene	95.9	0	76-119		%REC	1	8/30/2005 11:10:00 PM

Qualifiers:
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S - Spike Recovery outside control limits
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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/30/2005 11:10:00 PM
Surr: Toluene-d8	97.0	0	81-120		%REC	1	8/30/2005 11:10:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 1:06:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 1:06:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 1:06:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:06:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 1:06:00 PM
Surr: 2,4,6-Tribromophenol	75.8	0	53-155		%REC	1	9/6/2005 1:06:00 PM
Surr: 2-Fluorobiphenyl	78.5	0	55-130		%REC	1	9/6/2005 1:06:00 PM
Surr: 2-Fluorophenol	45.8	0	25-120		%REC	1	9/6/2005 1:06:00 PM
Surr: 4-Terphenyl-d14	106	0	51-135		%REC	1	9/6/2005 1:06:00 PM
Surr: Nitrobenzene-d5	78.0	0	55-124		%REC	1	9/6/2005 1:06:00 PM
Surr: Phenol-d6	29.8	0	20-120		%REC	1	9/6/2005 1:06:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-2
Project Name:	Gulfport	**Lab ID:**	0508225-01
Project No:	G486352-03	**Collection Date:**	8/24/2005 8:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	ND	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 5:51:14 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:51:14 PM
Surr: o-Terphenyl	80.5	0	64-132		%REC	1	8/30/2005 5:51:14 PM
Surr: Octacosane	103	0	26-152		%REC	1	8/30/2005 5:51:14 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	8/25/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	ND	50	100		µg/L	1	8/29/2005 5:22:00 PM
Manganese	ND	3.0	10.0		µg/L	1	8/29/2005 5:22:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:23:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:23:12 PM
Sulfate	4.48	1.0	3.00		mg/L	1	8/25/2005 3:23:12 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	22.5	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
Alkalinity, Total (As CaCO3)	22.5	10	10.0		mg/L	1	8/29/2005 10:33:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:34:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM

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9/8/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 11:34:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 11:34:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 11:34:00 PM
o-Xylene	0.41	0.30	1.00	J	µg/L	1	8/30/2005 11:34:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:34:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:34:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:34:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 11:34:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/30/2005 11:34:00 PM
Surr: 4-Bromofluorobenzene	93.9	0	76-119		%REC	1	8/30/2005 11:34:00 PM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/20/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/30/2005 11:34:00 PM
Surr: Toluene-d8	95.0	0	81-120		%REC	1	8/30/2005 11:34:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 1:44:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 1:44:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/28/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 1:44:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Bis(2-ethylhexyl)phthalate	2.6	2.0	4.00	J	µg/L	1	9/6/2005 1:44:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 1:44:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 1:44:00 PM
Surr: 2,4,6-Tribromophenol	95.2	0	53-155		%REC	1	9/6/2005 1:44:00 PM
Surr: 2-Fluorobiphenyl	77.8	0	55-130		%REC	1	9/6/2005 1:44:00 PM
Surr: 2-Fluorophenol	48.8	0	25-120		%REC	1	9/6/2005 1:44:00 PM
Surr: 4-Terphenyl-d14	99.5	0	51-135		%REC	1	9/6/2005 1:44:00 PM
Surr: Nitrobenzene-d5	76.0	0	55-124		%REC	1	9/6/2005 1:44:00 PM
Surr: Phenol-d6	33.0	0	20-120		%REC	1	9/6/2005 1:44:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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SQL - Sample Quantitation Limit
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9/9/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-7
Project Name:	Gulfport	**Lab ID:**	0508225-02
Project No:	G486352-03	**Collection Date:**	8/24/2005 9:20:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.367	0.0030	0.0100		mg/L	10	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
Surr: o-Terphenyl	90.4	0	64-132		%REC	1	8/30/2005 6:16:40 PM
Surr: Octacosane	115	0	26-152		%REC	1	8/30/2005 6:16:40 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	4.69	0.50	1.00		mg/L	10	8/25/2005 1:18:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	3800	50	100		µg/L	1	8/29/2005 5:30:00 PM
Manganese	48.9	3.0	10.0		µg/L	1	8/29/2005 5:30:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.67	0.025	0.0250	J	mg/L	5	8/26/2005 1:38:00 PM

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S - Spike Recovery outside control limits
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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/9/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: Trip Blank
Lab ID: 0508225-03
Collection Date: 8/24/2005
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:22:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM

Qualifiers:
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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0508225-03
Project No:	G486352-03	**Collection Date:**	8/24/2005
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 10:22:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 10:22:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 10:22:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:22:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:22:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:22:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 10:22:00 PM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/30/2005 10:22:00 PM
Surr: 4-Bromofluorobenzene	96.5	0	76-119		%REC	1	8/30/2005 10:22:00 PM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/30/2005 10:22:00 PM
Surr: Toluene-d8	96.2	0	81-120		%REC	1	8/30/2005 10:22:00 PM

Qualifiers:

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:37:13 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/25/2005 3:37:13 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	13.3	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
Alkalinity, Total (As CaCO3)	13.3	10	10.0		mg/L	1	8/29/2005 10:36:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:22:00 AM
1,2,4-Trimethylbenzene	5.04	1.5	5.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,3,5-Trimethylbenzene	1.5	1.5	5.00	J	µg/L	1	8/31/2005 4:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
Acetone	5.8	5.0	15.0	J	µg/L	1	8/31/2005 4:22:00 AM
Benzene	0.65	0.20	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM

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SQL - Sample Quantitation Limit
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9/9/2005

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
cis-1,2-Dichloroethene	4.15	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Ethylbenzene	1.66	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 4:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
Isopropylbenzene	0.27	0.20	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
m,p-Xylene	4.14	0.60	2.00		µg/L	1	8/31/2005 4:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 4:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
n-Propylbenzene	0.44	0.30	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
Naphthalene	22.7	5.0	15.0		µg/L	1	8/31/2005 4:22:00 AM
o-Xylene	2.63	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
p-Isopropyltoluene	0.59	0.30	1.00	J	µg/L	1	8/31/2005 4:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 4:22:00 AM
Toluene	1.4	0.60	2.00	J	µg/L	1	8/31/2005 4:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 4:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:22:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 4:22:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/31/2005 4:22:00 AM
Surr: 4-Bromofluorobenzene	94.7	0	76-119		%REC	1	8/31/2005 4:22:00 AM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	8/31/2005 4:22:00 AM
Surr: Toluene-d8	96.9	0	81-120		%REC	1	8/31/2005 4:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 2:22:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Methylnaphthalene	9.80	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 2:22:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM

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9/9/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				**Analyst: DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 2:22:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Naphthalene	18.2	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 2:22:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 2:22:00 PM
Surr: 2,4,6-Tribromophenol	78.8	0	53-155		%REC	1	9/6/2005 2:22:00 PM
Surr: 2-Fluorobiphenyl	66.5	0	55-130		%REC	1	9/6/2005 2:22:00 PM
Surr: 2-Fluorophenol	37.3	0	25-120		%REC	1	9/6/2005 2:22:00 PM
Surr: 4-Terphenyl-d14	81.5	0	51-135		%REC	1	9/6/2005 2:22:00 PM
Surr: Nitrobenzene-d5	66.8	0	55-124		%REC	1	9/6/2005 2:22:00 PM
Surr: Phenol-d6	25.2	0	20-120		%REC	1	9/6/2005 2:22:00 PM
DISSOLVED GAS		**RSKERR**				**Analyst: SCS**	

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-6
Project Name:	Gulfport	**Lab ID:**	0508225-04
Project No:	G486352-03	**Collection Date:**	8/24/2005 10:05:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	2.90	0.012	0.0400		mg/L	40	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
Surr: o-Terphenyl	86.8	0	64-132		%REC	1	8/30/2005 6:41:59 PM
Surr: Octacosane	112	0	26-152		%REC	1	8/30/2005 6:41:59 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.394	0.050	0.100		mg/L	1	8/25/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	408	50	100		µg/L	1	8/29/2005 5:34:00 PM
Manganese	3.5	3.0	10.0	J	µg/L U	1	8/29/2005 5:34:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.69	0.025	0.0250	J	mg/L	5	8/26/2005 1:38:00 PM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/14/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 3:51:13 PM
Sulfate	12.5	1.0	3.00		mg/L	1	8/25/2005 3:51:13 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:39:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1-Dichloroethane	0.32	0.20	1.00	J	µg/L	1	8/30/2005 11:58:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 11:58:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM

Qualifiers:

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-3
Lab ID: 0508225-05
Collection Date: 8/24/2005 11:00:00 AM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
cis-1,2-Dichloroethene	0.43	0.20	1.00	J	µg/L	1	8/30/2005 11:58:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 11:58:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 11:58:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 11:58:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 11:58:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 11:58:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 11:58:00 PM
Vinyl chloride	0.39	0.10	1.00	J	µg/L	1	8/30/2005 11:58:00 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	8/30/2005 11:58:00 PM
Surr: 4-Bromofluorobenzene	96.7	0	76-119		%REC	1	8/30/2005 11:58:00 PM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/30/2005 11:58:00 PM
Surr: Toluene-d8	96.9	0	81-120		%REC	1	8/30/2005 11:58:00 PM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 3:00:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 3:00:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM

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9/20/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 3:00:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:00:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 3:00:00 PM
Surr: 2,4,6-Tribromophenol	70.8	0	53-155		%REC	1	9/6/2005 3:00:00 PM
Surr: 2-Fluorobiphenyl	59.2	0	55-130		%REC	1	9/6/2005 3:00:00 PM
Surr: 2-Fluorophenol	35.5	0	25-120		%REC	1	9/6/2005 3:00:00 PM
Surr: 4-Terphenyl-d14	79.0	0	51-135		%REC	1	9/6/2005 3:00:00 PM
Surr: Nitrobenzene-d5	59.0	0	55-124		%REC	1	9/6/2005 3:00:00 PM
Surr: Phenol-d6	24.0	0	20-120		%REC	1	9/6/2005 3:00:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-3
Project Name:	Gulfport	**Lab ID:**	0508225-05
Project No:	G486352-03	**Collection Date:**	8/24/2005 11:00:00 AM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.926	0.012	0.0400		mg/L	40	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
Surr: o-Terphenyl	89.3	0	64-132		%REC	1	8/30/2005 7:07:15 PM
Surr: Octacosane	114	0	26-152		%REC	1	8/30/2005 7:07:15 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	1.57	0.25	0.500		mg/L	5	8/25/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1410	50	100		µg/L	1	8/29/2005 5:38:00 PM
Manganese	22.8	3.0	10.0	U	µg/L	1	8/29/2005 5:38:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.168	0.0050	0.00500	J	mg/L	1	8/26/2005 1:38:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:05:14 PM
Sulfate	18.7	1.0	3.00		mg/L	1	8/25/2005 4:05:14 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:42:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM

Qualifiers:

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
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RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 12:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 12:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 12:22:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:22:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 12:22:00 AM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/31/2005 12:22:00 AM
Surr: 4-Bromofluorobenzene	95.1	0	76-119		%REC	1	8/31/2005 12:22:00 AM

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9/20/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/31/2005 12:22:00 AM
Surr: Toluene-d8	94.9	0	81-120		%REC	1	8/31/2005 12:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 3:39:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 3:39:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				**Analyst: DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 3:39:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 3:39:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 3:39:00 PM
Surr: 2,4,6-Tribromophenol	78.5	0	53-155		%REC	1	9/6/2005 3:39:00 PM
Surr: 2-Fluorobiphenyl	77.8	0	55-130		%REC	1	9/6/2005 3:39:00 PM
Surr: 2-Fluorophenol	43.5	0	25-120		%REC	1	9/6/2005 3:39:00 PM
Surr: 4-Terphenyl-d14	90.8	0	51-135		%REC	1	9/6/2005 3:39:00 PM
Surr: Nitrobenzene-d5	77.8	0	55-124		%REC	1	9/6/2005 3:39:00 PM
Surr: Phenol-d6	28.3	0	20-120		%REC	1	9/6/2005 3:39:00 PM
DISSOLVED GAS		**RSKERR**				**Analyst: SCS**	

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-13
Project Name:	Gulfport	**Lab ID:**	0508225-06
Project No:	G486352-03	**Collection Date:**	8/24/2005 12:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.0376	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
Surr: o-Terphenyl	88.9	0	64-132		%REC	1	8/30/2005 7:32:27 PM
Surr: Octacosane	114	0	26-152		%REC	1	8/30/2005 7:32:27 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.630	0.25	0.500		mg/L	5	8/25/2005 1:28:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	514	50	100		µg/L	1	8/29/2005 5:43:00 PM
Manganese	9.2	3.0	10.0	J	µg/L U	1	8/29/2005 5:43:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0631	0.0050	0.00500	J	mg/L	1	8/26/2005 1:38:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/8/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				**Analyst: JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:19:14 PM
Sulfate	18.3	1.0	3.00		mg/L	1	8/25/2005 4:19:14 PM
ALKALINITY		**E310.1**				**Analyst: JBC**	
Alkalinity, Bicarbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
Alkalinity, Total (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:44:00 AM
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,1-Dichloroethene	0.47	0.20	1.00	J	µg/L	1	8/31/2005 12:46:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 12:46:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM

Qualifiers:

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See Final Page of Report for MQLs and MDLs
S Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-12
Lab ID: 0508225-07
Collection Date: 8/24/2005 1:50:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 12:46:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 12:46:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 12:46:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 12:46:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 12:46:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 12:46:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 12:46:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 12:46:00 AM
Surr: 4-Bromofluorobenzene	96.0	0	76-119		%REC	1	8/31/2005 12:46:00 AM

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9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 12:46:00 AM
Surr: Toluene-d8	95.2	0	81-120		%REC	1	8/31/2005 12:46:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				**Analyst: DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 4:21:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 4:21:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM

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9/26/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 4:21:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 4:21:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 4:21:00 PM
Surr: 2,4,6-Tribromophenol	70.2	0	53-155		%REC	1	9/6/2005 4:21:00 PM
Surr: 2-Fluorobiphenyl	69.8	0	55-130		%REC	1	9/6/2005 4:21:00 PM
Surr: 2-Fluorophenol	41.2	0	25-120		%REC	1	9/6/2005 4:21:00 PM
Surr: 4-Terphenyl-d14	81.8	0	51-135		%REC	1	9/6/2005 4:21:00 PM
Surr: Nitrobenzene-d5	71.0	0	55-124		%REC	1	9/6/2005 4:21:00 PM
Surr: Phenol-d6	26.5	0	20-120		%REC	1	9/6/2005 4:21:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-12
Project Name:	Gulfport	**Lab ID:**	0508225-07
Project No:	G486352-03	**Collection Date:**	8/24/2005 1:50:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.0360	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:07:15 PM
Surr: o-Terphenyl	90.1	0	64-132		%REC	1	8/30/2005 7:07:15 PM
Surr: Octacosane	114	0	26-152		%REC	1	8/30/2005 7:07:15 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	1.25	0.50	1.00		mg/L	10	8/25/2005 1:18:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1080	50	100		µg/L	1	8/29/2005 5:47:00 PM
Manganese	16.8	3.0	10.0	U	µg/L	1	8/29/2005 5:47:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0254	0.0050	0.00500	J	mg/L	1	8/26/2005 1:51:00 PM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:33:14 PM
Sulfate	6.31	1.0	3.00		mg/L	1	8/25/2005 4:33:14 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	63.0	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
Alkalinity, Total (As CaCO3)	63.0	10	10.0		mg/L	1	8/29/2005 10:48:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:10:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM

Qualifiers:

ND - Not Detected at the SQL
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B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-10
Lab ID: 0508225-08
Collection Date: 8/24/2005 2:45:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 1:10:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 1:10:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 1:10:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:10:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:10:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:10:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 1:10:00 AM
Surr: 1,2-Dichloroethane-d4	104	0	72-119		%REC	1	8/31/2005 1:10:00 AM
Surr: 4-Bromofluorobenzene	91.0	0	76-119		%REC	1	8/31/2005 1:10:00 AM

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9/2/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-10
Lab ID: 0508225-08
Collection Date: 8/24/2005 2:45:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/31/2005 1:10:00 AM
Surr: Toluene-d8	93.7	0	81-120		%REC	1	8/31/2005 1:10:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 5:04:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 5:04:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM

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9/9/2005

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-10
Lab ID: 0508225-08
Collection Date: 8/24/2005 2:45:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 5:04:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:04:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 5:04:00 PM
Surr: 2,4,6-Tribromophenol	73.2	0	53-155		%REC	1	9/6/2005 5:04:00 PM
Surr: 2-Fluorobiphenyl	74.0	0	55-130		%REC	1	9/6/2005 5:04:00 PM
Surr: 2-Fluorophenol	43.2	0	25-120		%REC	1	9/6/2005 5:04:00 PM
Surr: 4-Terphenyl-d14	92.5	0	51-135		%REC	1	9/6/2005 5:04:00 PM
Surr: Nitrobenzene-d5	73.8	0	55-124		%REC	1	9/6/2005 5:04:00 PM
Surr: Phenol-d6	29.0	0	20-120		%REC	1	9/6/2005 5:04:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-10
Project Name:	Gulfport	**Lab ID:**	0508225-08
Project No:	G486352-03	**Collection Date:**	8/24/2005 2:45:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.191	0.0030	0.0100		mg/L	10	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:32:27 PM
Surr: o-Terphenyl	89.1	0	64-132		%REC	1	8/30/2005 7:32:27 PM
Surr: Octacosane	112	0	26-152		%REC	1	8/30/2005 7:32:27 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	1.06	0.50	1.00		mg/L	10	8/25/2005 1:18:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	920	50	100		µg/L	1	8/29/2005 5:51:00 PM
Manganese	21.3	3.0	10.0	U	µg/L	1	8/29/2005 5:51:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:51:00 PM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/25/2005 4:47:15 PM
Sulfate	4.06	1.0	3.00	J	mg/L	1	8/25/2005 4:47:15 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	48.8	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
Alkalinity, Total (As CaCO3)	48.8	10	10.0		mg/L	1	8/29/2005 11:08:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:33:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 1:33:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 1:33:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 1:33:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:33:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:33:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:33:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 1:33:00 AM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	8/31/2005 1:33:00 AM
Surr: 4-Bromofluorobenzene	95.7	0	76-119		%REC	1	8/31/2005 1:33:00 AM

Qualifiers:

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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508225

Client Sample ID: GPT-6-11
Lab ID: 0508225-09
Collection Date: 8/24/2005 3:55:00 PM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 1:33:00 AM
Surr: Toluene-d8	96.5	0	81-120		%REC	1	8/31/2005 1:33:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				**Analyst: DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/6/2005 5:43:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/6/2005 5:43:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0	UJ	µg/L	1	9/6/2005 5:43:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/6/2005 5:43:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/6/2005 5:43:00 PM
Surr: 2,4,6-Tribromophenol	73.0	0	53-155		%REC	1	9/6/2005 5:43:00 PM
Surr: 2-Fluorobiphenyl	76.5	0	55-130		%REC	1	9/6/2005 5:43:00 PM
Surr: 2-Fluorophenol	40.8	0	25-120		%REC	1	9/6/2005 5:43:00 PM
Surr: 4-Terphenyl-d14	84.0	0	51-135		%REC	1	9/6/2005 5:43:00 PM
Surr: Nitrobenzene-d5	78.5	0	55-124		%REC	1	9/6/2005 5:43:00 PM
Surr: Phenol-d6	26.5	0	20-120		%REC	1	9/6/2005 5:43:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

Qualifiers:

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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-11
Project Name:	Gulfport	**Lab ID:**	0508225-09
Project No:	G486352-03	**Collection Date:**	8/24/2005 3:55:00 PM
Lab Order:	0508225	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.364	0.0060	0.0200		mg/L	20	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 7:57:37 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 7:57:37 PM
Surr: o-Terphenyl	115	0	64-132		%REC	1	8/30/2005 7:57:37 PM
Surr: Octacosane	151	0	26-152		%REC	1	8/30/2005 7:57:37 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	ND	0.050	0.100		mg/L	1	8/25/2005 1:35:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	ND	50	100		µg/L	1	8/29/2005 5:55:00 PM
Manganese	3.4	3.0	10.0	J	µg/L U	1	8/29/2005 5:55:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	ND	0.0050	0.00500		mg/L	1	8/26/2005 1:51:00 PM

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9/15/05

NCBC Gulfport, MS
Data Validation Reports
LDC# 14019

0508237

LDC Report# 14019C1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 25, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508237

Sample Identification

GPT-6-5**
GPT-6-4
GPT-6-4-Dup
GPT-6-1
GPT-6-8
Trip Blank

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 6 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample "Trip Blank" was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples GPT-6-4 and GPT-6-4-Dup were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	GPT-6-4	GPT-6-4-Dup	
1,1-Dichloroethane	0.23	0.21	9
1,1-Dichloroethene	0.35	0.37	6
1,2,4-Trimethylbenzene	2.1	2.1	0
Ethylbenzene	0.51	0.54	6
m,p-Xylenes	0.71	0.70	1
p-Isopropyltoluene	0.33	0.34	3
Vinyl chloride	0.52	0.52	0

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

LDC #: 14019C1
SDG #: 0508237
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 9/14/05
Page: 1 of 1
Reviewer: JTC
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/25/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r²
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	GPT-6-2 from 0508225
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 2, 3
XVII.	Field blanks	ND	TB = 6

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

water

1	GPT-6-5**	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-4-Dup	13		23		33	
4	GPT-6-1	14		24		34	
5	GPT-6-8	15		25		35	
6	Trip Blank	16		26		36	
7	MB-20103	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 14019C1
SDG #: 05 08237

VALIDATION FINDINGS CHECKLIST

Reviewer: JL
2nd Reviewer: gn

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) ≥ 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 140191
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Reviewer: JJG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?				
Were retention times within ± 30 seconds of the associated calibration standard?				
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.		✓		

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	S. Trichloroethene	KK. Trichlorofluoromethane	CCC. tert-Butylbenzene	UUU. 1,2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dibromochloromethane	LL. Methyl-tert-butyl ether	DDD. 1,2,4-Trimethylbenzene	VVV. 4-Ethyltoluene
C. Vinyl choride**	U. 1,1,2-Trichloroethane	MM. 1,2-Dibromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
D. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dichlorobenzene	XXX. Di-Isopropyl ether
E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2,2-Dichloropropane	GGG. p-Isopropyltoluene	YYY. tert-Butanol
F. Acetone	X. Bromoform*	PP. Bromochloromethane	HHH. 1,4-Dichlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y. 4-Methyl-2-pentanone	QQ. 1,1-Dichloropropene	III. n-Butylbenzene	AAAA. Ethyl tert-butyl ether
H. 1,1-Dichloroethene**	Z. 2-Hexanone	RR. Dibromomethane	JJJ. 1,2-Dichlorobenzene	BBBB. tert-Amyl methyl ether
I. 1,1-Dichloroethane*	AA. Tetrachloroethene	SS. 1,3-Dichloropropane	KKK. 1,2,4-Trichlorobenzene	CCCC.1-Chlorohexane
J. 1,2-Dichloroethene, total	BB. 1,1,2,2-Tetrachloroethane*	TT. 1,2-Dibromoethane	LLL. Hexachlorobutadiene	DDDD. Isopropyl alcohol
K. Chloroform**	CC. Toluene**	UU. 1,1,1,2-Tetrachloroethane	MMM. Naphthalene	EEEE. Acetonitrile
L. 1,2-Dichloroethane	DD. Chlorobenzene*	VV. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylberzene**	WW. Bromobenzene	OOO. 1,3,5-Trichlorobenzene	GGGG. Acrylonitrile
N. 1,1,1-Trichloroethane	FF. Styrene	XX. 1,2,3-Trichloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4-Dioxane
O. Carbon tetrachloride	GG. Xylenes, total	YY. n-Propylbenzene	QQQ. cis-1,2-Dichloroethene	IIII. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	ZZ. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonitrile
Q. 1,2-Dichloropropane**	II. 2-Chloroethylvinyl ether	AAA. 1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionitrile
R. cis-1,3-Dichloropropene	JJ. Dichlorodifluoromethane	BBB. 4-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	LLLL.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 140190
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JTC
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD
	2	3	
I	0.23	0.21	9
H	0.35	0.37	6
DDD	2.1	2.1	0
EE	0.51	0.54	6
RRR	0.71	0.70	1
GGG	0.33	0.34	3

Compound	Concentration ( )		RPD
C	0.52	0.52	0

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 40191C1
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVL
2nd Reviewer: R

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (46.4 std)	Recalculated RRF (46.4 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAV	8/20/05	Methylene chloride (1st internal standard)		see r	calculation			
			~~Trichlorethene~~ EE (2nd internal standard)	0.808	0.808	0.829	0.829	11.9	11.91
			~~Toluene~~ BB (3rd internal standard)	0.617	0.617	0.638	0.638	8.33	8.30
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #140191
SDG# 05082137

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD:EPA SW-846 Method 8260B

Parameter: Methylene chloride

Compound			Y	X	X^2		RF
Methylene chloride		Compound	Area/IS Area	Conc/50		Conc. (ppm)	
Date	Point 1		0.0035	0.0093		0.46	0.382
08/30/2005	Point 3	Methylene chloride	0.0314	0.0928		4.64	0.338
	Point 5		0.1171	0.3720		18.60	0.315
	Point 6		0.2699	0.9280		46.40	0.291
	Point 7		0.5566	1.8560		92.80	0.300
	Point 8		0.9760	3.7200		186.00	0.262
						Ave=	0.315

Regression Output:				Reported	
Constant			1.86E-002	b =	1.75E-003
Std Err of Y Est			0.03		
R Squared			0.9952	r^2 =	0.9950
No. of Observations			6.00		
Degrees of Freedom			4.00		
X Coefficient(s)		2.64E-001	0.00238	m 1	2.79E-001
Std Err of Coef.		0.00914	1.890E-003		

Lab used curve fit :wlr(1/a)

LDC #: 140191C
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	05083018	8/20/05	Methylene chloride (1st internal standard)	46.4 0.315	46.14 0.284	46.48 0.285	9.8	0 9.4
			~~Trichlorethene~~ EE (2nd internal standard)	0.829	0.834	0.834	0.6	0.6
			~~Toluene~~ BB (3rd internal standard)	0.638	0.632	0.632	0.9	0.9
2			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C1
SDG #: 05 08 237

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVL
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	50	47.80	95.6	95.6	0
Bromofluorobenzene		47.38	94.8	94.8	
1,2-Dichloroethane-d4		52.74	105	105	
Dibromofluoromethane		53.47	107	107	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

DC #: 14019 C1
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: R

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSDC | * 2/(MSC + MSDC) MSC = Matrix spike percent recovery MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: GPT_6-2 from 0508225

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	23.2	23.2	0	23.67	23.28	102	102	100	100	1.66	1.66
Trichloroethene				24.1	23.11	104	104	99.6	99.6	4.19	4.19
Benzene				24.62	24.09	106	106	104	104	2.18	2.18
Toluene				24.69	24.14	106	106	104	104	2.25	2.25
Chlorobenzene				23.96	23.57	103	103	101	101	1.90	1.90

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019 C1
SDG #: 0508 237

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS-20103

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	23.2	NA	23.88	NA	103	103				
Trichloroethene			24.53		106	106				
Benzene			24.63		106	106				
Toluene			24.6		106	106				
Chlorobenzene			24.5		106	106				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LCSCLC.1SB

LDC #: 14019 C1
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JVL
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. _____, ND:

Conc. = ( ) ( ) ( )

( ) ( ) ( ) ( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC Report# 14019C2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 25, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508237

Sample Identification

GPT-6-5**
GPT-6-4
GPT-6-4-Dup
GPT-6-1
GPT-6-8

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
MB-20086	2-Fluorobiphenyl Nitrobenzene-d5	51.8 (55-130) 49 (55-124)	All base neutral compounds	J (all detects) UJ (all non-detects)	P

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples GPT-6-4 and GPT-6-4-Dup were identified as field duplicates. No semivolatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	GPT-6-4	GPT-6-4-Dup	
2-Methylnaphthalene	7.40	8.0	8
Acenaphthene	1.0	1.0	0
Fluorene	1.2	1.2	0
Naphthalene	2.6	2.8	7
Phenanthrene	1.8	2.0	11

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

LDC #: 14019C2

SDG #: 0508237

Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 9/14/05

Page: 1 of 1

Reviewer: JVC

2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/25/05
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	Client specified
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 2, 3
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	GPT-6-5**	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-4-Dup	13		23		33	
4	GPT-6-1	14		24		34	
5	GPT-6-8	15		25		35	
6	MB-20086	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Page: 1 of
Reviewer: NZ
2nd Reviewer: [illegible]

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) ≥ 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?		✓		
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Reviewer: NC
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?				
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.		✓		

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Reviewer: JVL
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			
XVII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

A. Phenol**	P. Bis(2-chloroethoxy)methane	EE. 2,6-Dinitrotoluene	TT. Pentachlorophenol**	III. Benzo(a)pyrene**
B. Bis (2-chloroethyl) ether	Q. 2,4-Dichlorophenol**	FF. 3-Nitroaniline	UU. Phenanthrene	JJJ. Indeno(1,2,3-cd)pyrene
C. 2-Chlorophenol	R. 1,2,4-Trichlorobenzene	GG. Acenaphthene**	VV. Anthracene	KKK. Dibenz(a,h)anthracene
D. 1,3-Dichlorobenzene	S. Naphthalene	HH. 2,4-Dinitrophenol*	WW. Carbazole	LLL. Benzo(g,h,i)perylene
E. 1,4-Dichlorobenzene**	T. 4-Chloroaniline	II. 4-Nitrophenol*	XX. Di-n-butylphthalate	MMM. Bis(2-Chloroisopropyl)ether
F. 1,2-Dichlorobenzene	U. Hexachlorobutadiene**	JJ. Dibenzofuran	YY. Fluoranthene**	NNN. Aniline
G. 2-Methylphenol	V. 4-Chloro-3-methylphenol**	KK. 2,4-Dinitrotoluene	ZZ. Pyrene	OOO. N-Nitrosodimethylamine
H. 2,2'-Oxybis(1-chloropropane)	W. 2-Methylnaphthalene	LL. Diethylphthalate	AAA. Butylbenzylphthalate	PPP. Benzoic Acid
I. 4-Methylphenol	X. Hexachlorocyclopentadiene*	MM. 4-Chlorophenyl-phenyl ether	BBB. 3,3'-Dichlorobenzidine	QQQ. Benzyl alcohol
J. N-Nitroso-di-n-propylamine*	Y. 2,4,6-Trichlorophenol**	NN. Fluorene	CCC. Benzo(a)anthracene	RRR. Pyridine
K. Hexachloroethane	Z. 2,4,5-Trichlorophenol	OO. 4-Nitroaniline	DDD. Chrysene	SSS. Benzidine
L. Nitrobenzene	AA. 2-Chloronaphthalene	PP. 4,6-Dinitro-2-methylphenol	EEE. Bis(2-ethylhexyl)phthalate	TTT.
M. Isophorone	BB. 2-Nitroaniline	QQ. N-Nitrosodiphenylamine (1)**	FFF. Di-n-octylphthalate**	UUU.
N. 2-Nitrophenol**	CC. Dimethylphthalate	RR. 4-Bromophenyl-phenylether	GGG. Benzo(b)fluoranthene	VVV.
O. 2,4-Dimethylphenol	DD. Acenaphthylene	SS. Hexachlorobenzene	HHH. Benzo(k)fluoranthene	WWW.

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were percent recoveries (%R) for surrogates within QC limits?
Y N N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?
Y N N/A If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Date	Sample ID	Surrogate	%R (Limits)	Qualifications
		MB-20086	FBP	51 (55-130)	J/UJ/P (qual Base Neutral)
			NBZ	49 (55-124)	↓
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
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				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

* QC limits are advisory	QC Limits (Soil)	QC Limits (Water)		QC Limits (Soil)	QC Limits (Water)
S1 (NBZ) = Nitrobenzene-d5	23-120	35-114	S5 (2FP)= 2-Fluorophenol	25-121	21-100
S2 (FBP) = 2-Fluorobiphenyl	30-115	43-116	S6 (TBP) = 2,4,6-Tribromophenol	19-122	10-123
S3 (TPH) = Terphenyl-d14	18-137	33-141	S7 (2CP) = 2-Chlorophenol-d4	20-130*	33-110*
S4 (PHL) = Phenol-d5	24-113	10-94	S8 (DCB) = 1,2-Dichlorobenzene-d4	20-130*	16-110*

SUR.2S

Semi-Volatile Surrogates

Acid	Base
Phenol-d5	Nitrobenzene-d5
2-Fluorophenol	2-Fluorobiphenyl
2,4,6-Tribromophenol	Terphenyl-d14
2-Chlorophenol-d4	1,2-Dichlorobenzene-d4

Semi-Volatile Acid/Base Fraction

Acid Fraction	Base Neutral	
Phenol	Bis(2-chloroethyl) ether	Aniline
2-Chlorophenol	1,3-Dichlorobenzene	Benzyl Alcohol
2-Methylphenol	1,4-Dichlorobenzene	Carbazole
4-Methylphenol	1,2-Dichlorobenzene	Pyridine
2-Nitrophenol	Bis(2-chloroisopropyl) ether	
2,4-Dimethylphenol	N-Nitroso-di-n-propylamine	
2,4-Dichlorophenol	Hexachloroethane	
4-Chloro-3-methylphenol	Nitrobenzene	
2,4,6-Trichlorophenol	Isophorone	
2,4,5-Trichlorophenol	Bis(2-chloroethoxy)methane	
2,4-Dinitrophenol	1,2,4-Trichlorobenzene	
4-Nitrophenol	Naphthalene	
4,6-Dinitro-2-methylphenol	4-Chloroaniline	
Pentachlorophenol	Hexachlorobutadiene	
	2-Methylnaphthalene	
	Hexachlorocyclopentadiene	
	2-Chloronaphthalene	
	2-Nitroaniline	
	Dimethylphthalate	
	Acenaphthylene	
	2,6-Dinitrotoluene	
	3-Nitroaniline	
	Acenaphthene	
	Dibenzofuran	
	2,4-Dinitrotoluene	
	Diethylphthalate	
	4-Chlorophenylphenyl ether	
	Fluorene	
	4-Nitroaniline	
	N-Nitrosodiphenylamine	
	4-Bromophenylphenyl ether	
	Hexachlorobenzene	
	Phenanthrene	
	Anthracene	
	Di-n-butylphthalate	
	Fluoranthene	
	Pyrene	
	Butylbenzylphthalate	
	3,3'-Dichlorobenzidine	
	Benzo(a)anthracene	
	Chrysene	
	Bis(2-ethylhexyl)phthalate	
	Di-n-octylphthalate	
	Benzo(b)fluoranthene	
	Benzo(k)fluoranthene	
	Benzo(a)pyrene	
	Indeno(1,2,3-cd)pyrene	
	Dibenz(a,h)anthracene	
	Benzo(g,h,i)perylene	

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVG
2nd reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD
	2	3	
W	7.40	8.0	8
GG	1.0	1.0	0
NN	1.2	1.2	0
S	2.6	2.8	7
UU	1.8	2.0	11

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard
S = Standard deviation of the RRFs, X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (4.0 std)	Recalculated RRF (4.0 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	9/05/05	Phenol (1st internal standard)	1.875	1.875	1.954	1.954	5.87	5.87
			Naphthalene (2nd internal standard)	1.052	1.052	1.106	1.106	3.24	3.25
			Fluorene (3rd internal standard)	1.377	1.377	1.364	1.364	3.25	3.24
	MS#3		Pentachlorophenol (4th internal standard)		see r	calculation			
	SV056906		Bis(2-ethylhexyl)phthalate (5th internal standard)	0.851	0.851	0.802	0.802	8.71	8.71
			Benzo(a)pyrene (6th internal standard)	1.369	1.369	1.311	1.311	7.90	7.90
2			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						
3			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 140190v
SDG# 0508237

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: NG
2nd Reviewer: [illegible]

METHOD:EPA SW-846 Method 8260B

Pentachlorophenol

Compound			Y	X	X^2		RF
Pentachlorophenol		Compound	Area/IS Area	Conc/4			
Date	Point 1		0.0011	0.0500	0.0025		0.022
	Point 2		0.0036	0.1250	0.0156		0.029
09/05/2005	Point 3	Pentachlorophenol	0.0120	0.2500	0.0625		0.048
	Point 4		0.0379	0.5000	0.2500		0.076
	Point 5		0.0735	0.7500	0.5625		0.098
	Point 6		0.1056	1.0000	1.0000		0.106
	Point 7		0.1472	1.2500	1.5625		0.118
						Ave=	0.071

Regression Output:				Reported	
Constant			-4.68E-003	k =	-4.68E-003
Std Err of Y Est			0.00		
R Squared			0.9985	r^2 =	0.9985
No. of Observations			7.00		
Degrees of Freedom			4.00		
X Coefficient(s)		6.59E-002	0.04489	a =	4.49E-002
Std Err of Coef.		0.00957	7.364E-003	b =	6.587E-002

DC #: 1401902
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: NG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	05090713	9/07/05	Phenol (1st internal standard)	1.954	1.991	1.991	1.9	1.9
			Naphthalene (2nd internal standard)	1.106	1.033	1.033	6.6	6.6
			Fluorene (3rd internal standard)	1.364	1.283	1.283	5.9	5.9
			Pentachlorophenol (4th internal standard)	4.0	4.3	4.29	NR	7.25
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.807	0.839	0.839	4.6	4.0
			Benzo(a)pyrene (6th internal standard)	1.311	1.340	1.340	2.2	2.2
2			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C2
SDG #: 05 08237

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD) LCS = Laboratory cortrol sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS/D – 20086

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	40	40	11.4	13.2	28.5	28.5	33	33	14.6	14.6
2-Chlorophenol			24.2	24	60.5	60.5	60	60	0.830	0.83
1,4-Dichlorobenzene			23.4	22	58.5	58.5	55	55	6.17	6.17
N-Nitroso-di-n-propylamine			28.4	29	71.0	71.0	72.5	72.5	2.09	2.09
1,2,4-Trichlorobenzene			24.6	22.8	61.5	61.5	57	57	7.59	7.59
4-Chloro-3-methylphenol			26.6	28.8	66.5	66.5	72	72	7.94	7.94
Acenaphthene			27.4	26	68.5	68.5	65	65	5.24	5.24
4-Nitrophenol			13.6	13.4	34.0	34.0	33.5	33.5	0	1
2,4-Dinitrotoluene			30.6	28.8	76.5	76.5	72	72	6.06	6.06
Pentachlorophenol			31.4	30.6	78.5	78.5	76.5	76.5	2.58	2.58
Pyrene			29.6	29.6	74.0	74.0	74.0	74	0	0

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVL
2nd reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	4.0	2.64	66	66	0
2-Fluorobiphenyl	↓	2.72	68	68	↓
Terphenyl-d14	↓	3.45	86.2	86.2	↓
Phenol-d5	↓	1.25	31.2	31.2	↓
2-Fluorophenol	↓	1.89	47.2	47.2	↓
2,4,6-Tribromophenol	↓	2.99	74	75	1
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 14019C2
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: OVG
2nd reviewer: _____

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. _____ . ND _____:

Conc. = ( )( )( )( )( )
( )( )( )( )( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

RECALC.2S

LDC Report# 14019C4

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 25, 2005

LDC Report Date: September 15, 2005

Matrix: Water

Parameters: Dissolved Iron & Manganese

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508237

Sample Identification

GPT-6-5**
GPT-6-4
GPT-6-4-Dup
GPT-6-1
GPT-6-8

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 6020 for Dissolved Iron and Manganese.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical or advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks.

No field blanks were identified in this SDG.

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met with the following exceptions:

ICS ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
ICSAB (9/2/05)	Manganese	126.7 (80-120)	GPT-6-4 GPT-6-4-Dup	J (all detects)	P

Samples were qualified as estimated (J detects) if the interferent concentrations in the samples were greater than ninety percent of the spiked interferent concentrations in the ICSAB.

V. Matrix Spike Analysis

The laboratory has indicated that there were no matrix spike (MS) analyses specified for the samples in this SDG, and therefore matrix spike analyses were not performed for this SDG.

VI. Duplicate Sample Analysis

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Internal Standards

All internal standard percent recoveries (%R) were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

IX. Furnace Atomic Absorption QC

Graphite furnace atomic absorption was not utilized in this SDG.

X. ICP Serial Dilution

ICP serial dilution was not performed for this SDG.

XI. Sample Result Verification

All sample result verifications met validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XIII. Field Duplicates

Samples GPT-6-4 and GPT-6-4-Dup were identified as field duplicates. No metals were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	GPT-6-4	GPT-6-4-Dup	
Iron	1470	1730	16
Manganese	107	127	17

NCBC Gulfport, MS
Dissolved Iron & Manganese - Data Qualification Summary - SDG 0508237

SDG	Sample	Analyte	Flag	A or P	Reason
0508237	GPT-6-4 GPT-6-4-Dup	Manganese	J (all detects)	P	ICP interference check sample analysis (%R)

NCBC Gulfport, MS
Dissolved Iron & Manganese - Laboratory Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Dissolved Iron & Manganese - Field Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

LDC #: 14019C4
SDG #: 0508237
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 9-14-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: Dissolved Iron & Manganese (EPA SW 846 Method 6020)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8-25-05
II.	Calibration	A	
III.	Blanks	A	
IV.	ICP Interference Check Sample (ICS) Analysis	SW	
V.	Matrix Spike Analysis	N	Client specified
VI.	Duplicate Sample Analysis	N	" "
VII.	Laboratory Control Samples (LCS)	A	LCS/LCSD
VIII.	Internal Standard (ICP-MS)	A	
IX.	Furnace Atomic Absorption QC	N	Not utilized
X.	ICP Serial Dilution	N	Not performed
XI.	Sample Result Verification	A	Not reviewed for Level III validation.
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	D = 2+3
XIV.	Field Blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

all water

1	GPT-6-5**	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-4-Dup	13		23		33	
4	GPT-6-1	14		24		34	
5	GPT-6-8	15		25		35	
6	PBW	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: MM

Method: Metals (EPA SW 846 Method 6010/7000/6020)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury and 85-115% for cyanide) QC limits?	✓			
Were all initial calibration correlation coefficients > 0.995? (Level IV only)	✓			
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?		✓		
IV. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.			✓	
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were < 5X the RL.			✓	
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			
VI. Furnace Atomic Absorption QC				
If MSA was performed, was the correlation coefficients > 0.995?			✓	
Do all applicable analysies have duplicate injections? (Level IV only)			✓	
For sample concentrations > RL, are applicable duplicate injection RSD values < 20%? (Level IV only)			✓	
Were analytical spike recoveries within the 85-115% QC limits?			✓	

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: MH

Validation Area	Yes	No	NA	Findings/Comments
VII. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > 50X the IDL?		✓		
Were all percent differences (%Ds) < 10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
VIII. Internal Standards (EPA SW 846 Method 6020)				
Were all the percent recoveries (%R) within the 30-120% of the intensity of the internal standard in the associated initial calibration?	✓			
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 1401904
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: MG
2nd reviewer: MU

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1→5	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
ICP Trace		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
ICP-MS	W	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻,

Comments: Mercury by CVAA if performed

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

Y (N) N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
1	9-2-05	ICSAB	Mn	126.7 (80-120)	~~all~~ 2, 3 (Ca > 10% in test solution)	* ~~No Qual~~ J dets / P

Comments: * Mn CRQL = 10 µg/L. Acceptance criteria also ± 2x CRQL (2004 NFG). True value = 20.0 µg/L. Observed value = 25.34 µg/L. ~~Accept~~

ICS.4SW

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: MG
2nd reviewer: M

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Qualifications
	2	3			
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron	1470	1730	16		
Lead					
Magnesium					
Manganese	107	127	17		
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					
Cyanide					
Boron					
Molybdenum					
Strontium					
Silicon					

Notes:

FLDUP.4S2

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: MG
2nd Reviewer: MY

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{Found}{True} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Initial calibration)						
	GFAA (Initial calibration)						
	CVAA (Initial calibration)						
	ICP (Continuing calibration)						
	GFAA (Continuing calibration)						
	CVAA (Continuing calibration)						
1200 ICV	ICP/MS (Initial calibration)	Fe	2551.0	2500.0	102.0	102.0	Y
1252 CCV1	ICP/MS (Continuing calibration)	Mn	206.30	200.00	103.2	103.2	↓

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$

Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
1140 ICSAB	ICP interference check	Mn	25.34 (µg/L)	20.00 (µg/L)	127	not reported	Y
1233 LCS	Laboratory control sample	Fe	5160.0 (µg/L)	5000 (µg/L)	103	103	↓
—	Matrix spike	—	(SSR-SR) —	—	—	—	—
—	Duplicate	—	—	—	—	—	—
—	ICP serial dilution	—	—	—	—	—	—

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

TCTCLC.4SW

LDC #: 14019C4
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: MG
2nd reviewer: MM

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for #1, Fe were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)(\%S)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor
%S = Decimal percent solids

Recalculation:

$$\frac{(3629.0\ \mu g/L)(0.050\ L)(1)}{0.050\ L} = 3629.0\ \mu g/L$$

Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
1	Fe	3630	3630	Y
	Mn	60.5	60.5	↓

RECALC.4S2

LDC Report# 14019C6

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 25, 2005

LDC Report Date: September 15, 2005

Matrix: Water

Parameters: Wet Chemistry

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508237

Sample Identification

GPT-6-5**
GPT-6-4
GPT-6-4-Dup
GPT-6-1
GPT-6-8
GPT-6-5MS
GPT-6-5MSD
GPT-6-5DUP

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 310.1 for Alkalinity, EPA Method 376.2 for Sulfide, EPA Method 300.0 for Nitrate as Nitrogen and Sulfate, and Standard Method 3500 for Ferrous Iron.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical or advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
GPT-6-5** GPT-6-4 GPT-6-4-Dup GPT-6-1 GPT-6-8 GPT-6-5MS GPT-6-5MSD	Ferrous Iron	5 days	48 hours	J (all detects) UJ (all non-detects)	P

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable with the following exceptions:

Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
8/26/05	ICV	Sulfide	111 (90-110)	All samples in SDG 0508237	J (all detects)	P
8/26/05	CCV3	Sulfide	84.4 (90-110)	GPT-6-1 GPT-6-8	J (all detects) UJ (all non-detects)	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
GPT-6-5MS/MSD (All samples in SDG 0508237)	Ferrous Iron	82.6 (85-115)	-	-	J (all detects) UJ (all non-detects)	A

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VII. Sample Result Verification

All sample result verifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

IX. Field Duplicates

Samples GPT-6-4 and GPT-6-4-Dup were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	GPT-6-4	GPT-6-4-Dup	
Alkalinity, total	371	369	1
Ferrous Iron	0.450	0.434	4
Sulfide	1.97	0.369	137

NCBC Gulfport, MS
Wet Chemistry - Data Qualification Summary - SDG 0508237

SDG	Sample	Analyte	Flag	A or P	Reason
0508237	GPT-6-5** GPT-6-4 GPT-6-4-Dup GPT-6-1 GPT-6-8	Ferrous iron	J (all detects) UJ (all non-detects)	P	Technical holding times
0508237	GPT-6-5** GPT-6-4 GPT-6-4-Dup GPT-6-1 GPT-6-8	Sulfide	J (all detects)	P	Continuing calibration (%D)
0508237	GPT-6-1 GPT-6-8	Sulfide	J (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
0508237	GPT-6-5** GPT-6-4 GPT-6-4-Dup GPT-6-1 GPT-6-8	Ferrous Iron	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

NCBC Gulfport, MS
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Wet Chemistry - Field Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

LDC #: 14019C6
SDG #: 0508237
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 9-14-05
Page: 1 of 1
Reviewer: MG
2nd Reviewer: MM

METHOD: (Analyte) Alkalinity (EPA Method 310.1), Ferrous Iron (SM3500), Nitrate-N, Sulfate (EPA Method 300.0), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: 8-25-05
IIa.	Initial calibration mg	A	
IIb.	Calibration verification	SW	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	SW	MS/MSD (SDG: 0508208)
V	Duplicates	A	DUP
VI.	Laboratory control samples	A	LCS/LCSD
VII.	Sample result verification	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 2+3
X	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

all water

1	GPT-6-5**	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-4-Dup	13		23		33	
4	GPT-6-1	14		24		34	
5	GPT-6-8	15		25		35	
6	GPT-6-5MS	16		26		36	
7	GPT-6-5MSD	17		27		37	
8	GPT-6-5DUP	18		28		38	
9	PBW	19		29		39	
10		20		30		40	

Notes:

LDC #: 14019C6
SDG #: 0508037

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: MM

Method: Inorganics (EPA Method See cover)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.		✓		
Cooler temperature criteria was met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?		✓		
Were titrant checks performed as required? (Level IV only)	✓			
Were balance checks performed as required? (Level IV only)			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.		✓		
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓			
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

LDC #: 1401906
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Reviewer: MG
2nd Reviewer: MM

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Reviewer: MG
2nd reviewer: MH

All circled methods are applicable to each sample.

Sample ID	Matrix	Parameter
1→5	W	pH TDS Cl F (NO3) NO2 (SO4) PO4 (ALK) CN- NH3 TKN TOC CR6+ ClO4 Br (Ferrous Fe) (S)
QC 6,7	↓	pH TDS Cl F (NO3) NO2 (SO4) PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br (Ferrous Fe)
↓ 8	↓	pH TDS Cl F NO3 NO2 SO4 PO4 (ALK) CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br
		pH TDS Cl F NO3 NO2 SO4 PO4 ALK CN- NH3 TKN TOC CR6+ ClO4 Br

Comments:

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: MG
2nd reviewer: MY

All circled dates have exceeded the technical holding time.
(Y) N N/A Were all samples preserved as applicable to each method ?
(Y) N N/A Were all cooler temperatures within validation criteria?

Method:		SM3500					
Parameters:		Ferrous Iron					
Technical holding time:		48 hr					
Sample ID	Sampling date	Analysis date	Analysis date	Analysis date	Analysis date	Analysis date	Qualifier
1	8-25-05	8-30-05	(5 days)				J/UJ/P
2	↓	↓	↓				↓
3							
4							
5							
6							
7							

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Calibration

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, EPA Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all instruments calibrated daily, each set-up time, and were the proper number of standards used?
Y N N/A Were all initial and continuing calibration verification percent recoveries (%R) within the control limits of 90-110% ?
Y N N/A Are all correlation coefficients ≥0.995 ?

LEVEL IV/D ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Initial and Continuing Calibration Recaluculation Worksheet for recalulations.
Y N N/A Was a balance check conducted prior to the TDS analysis.?
Y N N/A Was the titrant normality checked?

#	Date	Calibration ID	Analyte	%R	Associated Samples	Qualifications
1	8-26-05	ICV	S	111 (90-110)	all	J dets / P
2	8-26-05	CCV3	S	84.4 (↓)	4,5	J/UJ/P

Comments:

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MY

METHOD: Inorganics, EPA Method See cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

(Y) N N/A Were all duplicate sample relative percent differences (RPD) ≤ 20% for water samples and ≤35% for soil samples?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	6/7	water	Ferrous Iron		82.6 (85-115)		all	J/UJ/A

Comments:

MSD.6

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: MG
2nd reviewer: MM

METHOD: Inorganics, Method See cover

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (mg/L)		RPD (Limit)	Difference (Limit)	Qualifier
	2	3			
tot. Alk	371	369	1		
Ferrous Iron	0.450	0.434	4		
S	1.97	0.369	137		

Analyte	Concentration ( )		RPD (Limit)	Difference (Limit)	Qualifier

Analyte	Concentration ( )		RPD (Limit)	Difference (Limit)	Qualifier

Analyte	Concentration ( )		RPD (Limit)	Difference (Limit)	Qualifier

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: MG
2nd Reviewer: MJ

METHOD: Inorganics, Method see cover

The correlation coefficient (r) for the calibration of Sulfide was recalculated. Calibration date: 10-7-03

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution
True = concentration of each analyte in the ICV or CCV source

Type of Analysis	Analyte		Conc (units)	Abs (units)	Recalculated r or %R	Reported r or %R	Acceptable (Y/N)
Initial calibration	$S^=$	Blank	–	–	$r^2=0.999$	$r^2=0.999$	Y
Calibration verification		Standard 1	5.24 (µg/L)	0.019			
		Standard 2	52.4 (|)	0.129			
		Standard 3	104.8 (|)	0.244			
		Standard 4	262.0 (|)	0.661			
		Standard 5	524.0 (↓)	1.261			
		Standard 6	–	–			
		Standard 7	–	–			
Calibration verification	NO_3-N	1415 CCV2	5.1552 (mg/L)	5 (mg/L)	103	103	
Calibration verification	SO_4	1415 CCV2	31.0042 (mg/L)	30 (mg/L)	103	103	
Calibration verification	Ferrous Iron	ICV	0.0962 (mg/L)	0.1 (mg/L)	96.2	96.2	

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

CALCLC.6

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: MG
2nd Reviewer: MG

METHOD: Inorganics, Method See cover

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	Found / S (units)	True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample	$S^=$	0.13398 (mg/L)	0.15 (mg/L)	89.3	89.3	Y
1624 6	Matrix spike sample	NO_3-N	(SSR-SR) 5.2026 (mg/L)	5 (mg/L)	104	104	↓
8	Duplicate sample	tot. Alk.	19.821 (mg/L)	19.788 (mg/L)	0.167	0.170	↓

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C6
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: MG
2nd reviewer: my

METHOD: Inorganics, Method see cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments?
Y N N/A Are all detection limits below the CRQL?

Compound (analyte) results for #1, Ferrous Iron reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation:

from instrument → $\frac{(345.93\ \mu g/L)(0.025\ L)(10)(1\ mg/1000\ \mu g)}{0.025\ L} = 3.4593\ mg/L$

#	Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
1	1	SO_4	14.4	14.4	Y
		tot. Alk	19.8	19.8	↓
		Ferrous Iron	3.46	3.46	↓
		$S^=$	0.0608	0.0608	↓

Note:

RECALC.6

LDC Report# 14019C8

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 25, 2005

LDC Report Date: September 14, 2005

Matrix: Water

Parameters: Diesel Range Organics & Oil Range Organics

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508237

Sample Identification

GPT-6-5**
GPT-6-4
GPT-6-4-Dup
GPT-6-1
GPT-6-8

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Diesel Range Organics and Oil Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic or oil range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples GPT-6-4 and GPT-6-4-Dup were identified as field duplicates. No diesel range organics or oil range organics were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	GPT-6-4	GPT-6-4-Dup	
Diesel range organics	0.65	0.69	6

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Laboratory Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Field Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

LDC #: 14019C8
SDG #: 0508237
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 9/14/06
Page: 1 of 1
Reviewer: JNG
2nd Reviewer: [illegible]

METHOD: GC Diesel Range Organics & Oil Range Organics (EPA SW 846 Method 8015)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/26/05
IIa.	Initial calibration	A	r2
IIb.	Calibration verification	A	%R = 85-115 %
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	N	Client specified
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 2, 3
X.	Field blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

1	GPT-6-5**	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-4-Dup	13		23		33	
4	GPT-6-1	14		24		34	
5	GPT-6-8	15		25		35	
6	MB-20073	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 140198
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: ✓ GC ____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) < 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ✓ %D or %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 14019 C8
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Page: 2 of
Reviewer: JV
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds idetected in the field duplicates?	✓			
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 14019C8
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: DR
2nd reviewer: [illegible]

METHOD: ✓ **GC** ___ **HPLC**

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		%RPD Limit NA	Qualification Parent only / All Samples
	2	3		
TPH - DRO	0.65	0.69	6	

Compound	Concentration ( )		%RPD Limit _____	Qualification Parent only / All Samples

FLDUPNew.wpd

LDC # 140190C
SDG# 0508237

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: S

METHOD:SW 846 Method 8015

Compound			Y	X	X^2		RF
Gasoline		Compound	Area	(ppm)			
Date	Point 1		36438.4	10.00			3644
	Point 2		282887.9	50.00			5658
07/15/2005	Point 3	Diesel	684442.3	100.00			6844
	Point 4		1769076.0	250.00			7076
	Point 5		3928343.0	500.00			7857
			7737225.0	1000.00			7737
						Ave=	6469

Regression Output:				Reported	
Constant			-93085.60	k=	-39033.03
Std Err of Y Est			75302.86		
R Squared			0.9995	r^2 =	0.9941564
No. of Observations			6.00		
Degrees of Freedom			4.00		
X Coefficient(s)		7851.79	8.14E-003	m =	7360.63
Std Err of Coef.		88.92557	4.699E-003		

Lab used Linear fit with 1/x2 weighting

LDC #: 1401908
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: DYG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %R	Recalculated %R
1	CCV1-050830	8/30/05	DRO	500	541.4	541.3555	108	108
	B.0087	4:25pm						
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C57
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: SVL
2nd reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
O-Terphenyl	HP-5 MS ~~Not specified~~	15	11.37501	75.8	75.8	0
Octacosane	↓	↓	14.76055	98.4	98.4	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 14019C8
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: 8

____METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added; LCS = Laboratory Control Sample; SC = Sample concentration; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS/D – 20073

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)	25	25	0	21.08	24.8	84.3	84.3	99.2	99.2	16.2	16.2
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C51
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: ✓ **GC** __ **HPLC**

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID._____ Compound Name ND

Concentration =_____

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments: _____

LDC Report# 14019C51

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: August 25, 2005

LDC Report Date: September 22, 2005

Matrix: Water

Parameters: Methane, Ethane, & Ethene

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0508237

Sample Identification

GPT-6-5**
GPT-6-4
GPT-6-4-Dup
GPT-6-1
GPT-6-8

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method RSK-ERR for Methane, Ethane, and Ethene.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for selected compounds were less than 20.0% .

A curve fit, based on the initial calibration, was established for quantitation for selected compounds. The coefficient of determination (r^2) was greater than or equal to 0.990 .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No methane, ethane, or ethene contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were not required by the method.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples GPT-6-4 and GPT-6-4-Dup were identified as field duplicates. No methane, ethane, or ethene were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	GPT-6-4	GPT-6-4-Dup	
Methane	9.79	12.0	20

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Laboratory Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Methane, Ethane, & Ethene - Field Blank Data Qualification Summary - SDG 0508237

No Sample Data Qualified in this SDG

LDC #: 14019C51
SDG #: 0508237
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 9/14/05
Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC Methane, Ethane & Ethene (Method RSK-ERR)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/25/05
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IVa.	Surrogate recovery	N	Not req'd.
IVb.	Matrix spike/Matrix spike duplicates / Lab Dup	N/A	client specified / GPT-6-PZ4
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 2,3
X.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	GPT-6-5**	11		21		31	
2	GPT-6-4	12		22		32	
3	GPT-6-4-Dup	13		23		33	
4	GPT-6-1	14		24		34	
5	GPT-6-8	15		25		35	
6	MB-050830A	16		26		36	
7	MB-050831	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 14019C51
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: JVL
2nd Reviewer: g

Method: ✓ GC ____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ✓ %D or %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?			✓	
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 14019C51
SDG #: 0508237

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: JL
2nd Reviewer: g

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds idetected in the field duplicates?	✓			
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 14019C51
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [illegible]

METHOD: ✓ **GC** ___ **HPLC**

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		%RPD Limit NA	Qualification Parent only / All Samples
	2	3		
Methane	9.79	12.0	20	

Compound	Concentration ( )		%RPD Limit _____	Qualification Parent only / All Samples

LDC #: 12019C51
SDG #: 0508737

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: SVG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC ____

The calibration Factor (CF), average CF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

A = Area of compound,
C = Concentration of compound,
S = Standard deviation of the CF
X = Mean of the CFs

#	Standard ID	Calibration Date	Compound	Reported CF (0.00/std)	Recalculated CF (0.00/std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	LCAL	7/03	Methane	14666.1 e+5	1.46661 e+9	1660888704	1.66088 +9	10.75%	10.75%
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C51
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVL
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %R	Recalculated %R
1	~~0703 C02~~ 508 30 #5, 15R	8/30/05	Methane	0.000025	0.0000244	0.0000244	97.6	97.6
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C51
SDG #: 0508237

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: JVG
2nd Reviewer: R

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =((|(SSCLCS - SSCLCSD)| * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added; LCS = Laboratory Control Sample; SC = Sample concentration; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS/D - 050830A

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)	0.00546	0.00546	0	0.005294	0.005119	97	97	93.8	93.8	3.35	3.39
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 14019C51
SDG #: 05-08237

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: ___ GC ___ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #1 Compound Name Methane

Concentration = (316733) / (1.66088 e+9) = 0.0001907 ppmv

find conc. = 0.0001907(25.9) + ([(5.2 x 0.0001907) / (42-5.2)] x 654)

= 0.0049391 3 + 0.0176232

= 0.02256 mg/L

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments:

SAMPCAL.ew.wpd

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:14:35 PM
Sulfate	14.4	1.0	3.00		mg/L	1	8/26/2005 3:14:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	19.8	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
Alkalinity, Total (As CaCO3)	19.8	10	10.0		mg/L	1	8/31/2005 9:30:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 1:58:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM

Qualifiers:

ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
B - Analyte detected in the associated Method Blank
DF- Dilution Factor
See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508237

Client Sample ID: GPT-6-5
Lab ID: 0508237-01
Collection Date: 8/25/2005 8:10:00 AM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 1:58:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 1:58:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 1:58:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 1:58:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 1:58:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 1:58:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 1:58:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 1:58:00 AM
Surr: 4-Bromofluorobenzene	94.8	0	76-119		%REC	1	8/31/2005 1:58:00 AM

Qualifiers:
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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/13/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 1:58:00 AM
Surr: Toluene-d8	95.6	0	81-120		%REC	1	8/31/2005 1:58:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 1:12:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Methylnaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 1:12:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Fluorene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Naphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:12:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 1:12:00 PM
Surr: 2,4,6-Tribromophenol	74.8	0	53-155		%REC	1	9/7/2005 1:12:00 PM
Surr: 2-Fluorobiphenyl	68.0	0	55-130		%REC	1	9/7/2005 1:12:00 PM
Surr: 2-Fluorophenol	47.2	0	25-120		%REC	1	9/7/2005 1:12:00 PM
Surr: 4-Terphenyl-d14	86.2	0	51-135		%REC	1	9/7/2005 1:12:00 PM
Surr: Nitrobenzene-d5	66.0	0	55-124		%REC	1	9/7/2005 1:12:00 PM
Surr: Phenol-d6	31.2	0	20-120		%REC	1	9/7/2005 1:12:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/9/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-5
Project Name:	Gulfport	**Lab ID:**	0508237-01
Project No:	G486352-03	**Collection Date:**	8/25/2005 8:10:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.0223	0.00030	0.00100		mg/L	1	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	ND	0.60	1.00		mg/L	1	8/30/2005 5:00:26 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:00:26 PM
Surr: o-Terphenyl	75.8	0	64-132		%REC	1	8/30/2005 5:00:26 PM
Surr: Octacosane	98.4	0	26-152		%REC	1	8/30/2005 5:00:26 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	3.46	0.50	1.00	J	mg/L	10	8/30/2005 1:05:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	3630	50	100		µg/L	1	9/2/2005 1:16:00 PM
Manganese	60.5	3.0	10.0		µg/L	1	9/2/2005 1:16:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.0608	0.0050	0.00500	J	mg/L	1	8/26/2005 1:51:00 PM

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SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/8/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:28:35 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/26/2005 3:28:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	371	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
Alkalinity, Total (As CaCO3)	371	10	10.0		mg/L	1	8/31/2005 9:41:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,1-Dichloroethane	0.23	0.20	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
1,1-Dichloroethene	0.35	0.20	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:22:00 AM
1,2,4-Trimethylbenzene	2.1	1.5	5.00	J	µg/L	1	8/31/2005 2:22:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:22:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM

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9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Ethylbenzene	0.51	0.30	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 2:22:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
m,p-Xylene	0.71	0.60	2.00	J	µg/L	1	8/31/2005 2:22:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 2:22:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 2:22:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
p-Isopropyltoluene	0.33	0.30	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:22:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:22:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 2:22:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:22:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:22:00 AM
Vinyl chloride	0.52	0.10	1.00	J	µg/L	1	8/31/2005 2:22:00 AM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	8/31/2005 2:22:00 AM
Surr: 4-Bromofluorobenzene	94.1	0	76-119		%REC	1	8/31/2005 2:22:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	8/31/2005 2:22:00 AM
Surr: Toluene-d8	95.0	0	81-120		%REC	1	8/31/2005 2:22:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 1:54:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Methylnaphthalene	7.40	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 1:54:00 PM
Acenaphthene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Fluorene	1.2	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Naphthalene	2.6	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Phenanthrene	1.8	1.0	4.00	J	µg/L	1	9/7/2005 1:54:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 1:54:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 1:54:00 PM
Surr: 2,4,6-Tribromophenol	88.5	0	53-155		%REC	1	9/7/2005 1:54:00 PM
Surr: 2-Fluorobiphenyl	77.8	0	55-130		%REC	1	9/7/2005 1:54:00 PM
Surr: 2-Fluorophenol	50.2	0	25-120		%REC	1	9/7/2005 1:54:00 PM
Surr: 4-Terphenyl-d14	93.5	0	51-135		%REC	1	9/7/2005 1:54:00 PM
Surr: Nitrobenzene-d5	76.8	0	55-124		%REC	1	9/7/2005 1:54:00 PM
Surr: Phenol-d6	32.5	0	20-120		%REC	1	9/7/2005 1:54:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4
Project Name:	Gulfport	**Lab ID:**	0508237-02
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	9.79	0.060	0.200		mg/L	200	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	0.65	0.60	1.00	J	mg/L	1	8/30/2005 5:25:49 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:25:49 PM
Surr: o-Terphenyl	81.5	0	64-132		%REC	1	8/30/2005 5:25:49 PM
Surr: Octacosane	103	0	26-152		%REC	1	8/30/2005 5:25:49 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.450	0.050	0.100	J	mg/L	1	8/30/2005 1:16:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1470	50	100		µg/L	1	9/2/2005 1:20:00 PM
Manganese	107	3.0	10.0	J	µg/L	1	9/2/2005 1:20:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.97	0.025	0.0250	J	mg/L	5	8/26/2005 2:04:00 PM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:42:35 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/26/2005 3:42:35 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	369	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
Alkalinity, Total (As CaCO3)	369	10	10.0		mg/L	1	8/31/2005 9:50:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,1-Dichloroethane	0.21	0.20	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
1,1-Dichloroethene	0.37	0.20	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:46:00 AM
1,2,4-Trimethylbenzene	2.1	1.5	5.00	J	µg/L	1	8/31/2005 2:46:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/31/2005 2:46:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
2-Butanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
2-Hexanone	ND	5.0	15.0		µg/l	1	8/31/2005 2:46:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Acetone	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508237

Client Sample ID: GPT-6-4-Dup
Lab ID: 0508237-03
Collection Date: 8/25/2005 9:00:00 AM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Ethylbenzene	0.54	0.30	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 2:46:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
m,p-Xylene	0.70	0.60	2.00	J	µg/L	1	8/31/2005 2:46:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 2:46:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Naphthalene	ND	5.0	15.0		µg/L	1	8/31/2005 2:46:00 AM
o-Xylene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
p-Isopropyltoluene	0.34	0.30	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 2:46:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:46:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 2:46:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 2:46:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 2:46:00 AM
Vinyl chloride	0.52	0.10	1.00	J	µg/L	1	8/31/2005 2:46:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 2:46:00 AM
Surr: 4-Bromofluorobenzene	95.5	0	76-119		%REC	1	8/31/2005 2:46:00 AM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/12/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	107	0	85-115		%REC	1	8/31/2005 2:46:00 AM
Surr: Toluene-d8	95.5	0	81-120		%REC	1	8/31/2005 2:46:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 2:37:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Methylnaphthalene	8.00	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 2:37:00 PM
Acenaphthene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM

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DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				**Analyst: DO**	
Benzoic acid	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Fluorene	1.2	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Naphthalene	2.8	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Phenanthrene	2.0	1.0	4.00	J	µg/L	1	9/7/2005 2:37:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 2:37:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 2:37:00 PM
Surr: 2,4,6-Tribromophenol	88.0	0	53-155		%REC	1	9/7/2005 2:37:00 PM
Surr: 2-Fluorobiphenyl	78.2	0	55-130		%REC	1	9/7/2005 2:37:00 PM
Surr: 2-Fluorophenol	45.8	0	25-120		%REC	1	9/7/2005 2:37:00 PM
Surr: 4-Terphenyl-d14	97.2	0	51-135		%REC	1	9/7/2005 2:37:00 PM
Surr: Nitrobenzene-d5	74.8	0	55-124		%REC	1	9/7/2005 2:37:00 PM
Surr: Phenol-d6	30.5	0	20-120		%REC	1	9/7/2005 2:37:00 PM
DISSOLVED GAS		**RSKERR**				**Analyst: SCS**	

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9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-4-Dup
Project Name:	Gulfport	**Lab ID:**	0508237-03
Project No:	G486352-03	**Collection Date:**	8/25/2005 9:00:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	12.0	0.060	0.200		mg/L	200	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	0.69	0.60	1.00	J	mg/L	1	8/30/2005 5:51:14 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 5:51:14 PM
Surr: o-Terphenyl	84.5	0	64-132		%REC	1	8/30/2005 5:51:14 PM
Surr: Octacosane	107	0	26-152		%REC	1	8/30/2005 5:51:14 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	0.434	0.050	0.100	J	mg/L	1	8/30/2005 1:16:00 PM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	1730	50	100		µg/L	1	9/2/2005 1:24:00 PM
Manganese	127	3.0	10.0	J	µg/L	1	9/2/2005 1:24:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	0.369	0.0050	0.00500	J	mg/L	1	8/26/2005 2:04:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				**Analyst: JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 3:56:36 PM
Sulfate	11.0	1.0	3.00		mg/L	1	8/26/2005 3:56:36 PM
ALKALINITY		**E310.1**				**Analyst: JBC**	
Alkalinity, Bicarbonate (As CaCO3)	46.9	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
Alkalinity, Total (As CaCO3)	46.9	10	10.0		mg/L	1	8/31/2005 9:54:00 AM
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 3:10:00 AM
1,2,4-Trimethylbenzene	2.9	1.5	5.00	J	µg/L	1	8/31/2005 3:10:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,3,5-Trimethylbenzene	2.1	1.5	5.00	J	µg/L	1	8/31/2005 3:10:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
2-Butanone	12	5.0	15.0	J	µg/L	1	8/31/2005 3:10:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Acetone	25.2	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508237

Client Sample ID: GPT-6-1
Lab ID: 0508237-04
Collection Date: 8/25/2005 10:15:00 AM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Ethylbenzene	0.73	0.30	1.00	J	µg/L	1	8/31/2005 3:10:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 3:10:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 3:10:00 AM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
m,p-Xylene	0.66	0.60	2.00	J	µg/L	1	8/31/2005 3:10:00 AM
Methyl tert-butyl ether	0.61	0.30	1.00	J	µg/L	1	8/31/2005 3:10:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 3:10:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Naphthalene	8.2	5.0	15.0	J	µg/L	1	8/31/2005 3:10:00 AM
o-Xylene	2.90	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
p-Isopropyltoluene	0.35	0.30	1.00	J	µg/L	1	8/31/2005 3:10:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 3:10:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:10:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 3:10:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 3:10:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 3:10:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 3:10:00 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	8/31/2005 3:10:00 AM
Surr: 4-Bromofluorobenzene	96.2	0	76-119		%REC	1	8/31/2005 3:10:00 AM

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C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	8/31/2005 3:10:00 AM
Surr: Toluene-d8	95.0	0	81-120		%REC	1	8/31/2005 3:10:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 3:19:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Methylnaphthalene	8.40	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Methylphenol	38.0	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 3:19:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	10.8	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Fluorene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 3:19:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Naphthalene	5.40	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 3:19:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 3:19:00 PM
Surr: 2,4,6-Tribromophenol	90.8	0	53-155		%REC	1	9/7/2005 3:19:00 PM
Surr: 2-Fluorobiphenyl	71.5	0	55-130		%REC	1	9/7/2005 3:19:00 PM
Surr: 2-Fluorophenol	43.8	0	25-120		%REC	1	9/7/2005 3:19:00 PM
Surr: 4-Terphenyl-d14	83.5	0	51-135		%REC	1	9/7/2005 3:19:00 PM
Surr: Nitrobenzene-d5	66.8	0	55-124		%REC	1	9/7/2005 3:19:00 PM
Surr: Phenol-d6	30.8	0	20-120		%REC	1	9/7/2005 3:19:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-1
Project Name:	Gulfport	**Lab ID:**	0508237-04
Project No:	G486352-03	**Collection Date:**	8/25/2005 10:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.186	0.0030	0.0100		mg/L	10	8/30/2005 2:43:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	3.58	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:16:40 PM
Surr: o-Terphenyl	128	0	64-132		%REC	1	8/30/2005 6:16:40 PM
Surr: Octacosane	124	0	26-152		%REC	1	8/30/2005 6:16:40 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	7.46	1.2	2.50	J	mg/L	25	8/30/2005 1:28:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	8200	50	100		µg/L	1	9/2/2005 1:28:00 PM
Manganese	78.4	3.0	10.0		µg/L	1	9/2/2005 1:28:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	1.60	0.025	0.0250	J	mg/L	5	8/26/2005 2:34:00 PM

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/15/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
ANIONS BY IC METHOD - WATER		**E300**				Analyst: **JBC**	
Nitrate-N	ND	0.10	0.500		mg/L	1	8/26/2005 4:10:36 PM
Sulfate	ND	1.0	3.00		mg/L	1	8/26/2005 4:10:36 PM
ALKALINITY		**E310.1**				Analyst: **JBC**	
Alkalinity, Bicarbonate (As CaCO3)	83.7	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
Alkalinity, Carbonate (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
Alkalinity, Total (As CaCO3)	83.7	10	10.0		mg/L	1	8/31/2005 10:01:00 AM
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/l	1	8/31/2005 4:46:00 AM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,2,4-Trimethylbenzene	8.74	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,3,5-Trimethylbenzene	6.08	1.5	5.00		µg/L	1	8/31/2005 4:46:00 AM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
2-Butanone	26.9	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Acetone	56.2	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Benzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508237

Client Sample ID: GPT-6-8
Lab ID: 0508237-05
Collection Date: 8/25/2005 11:15:00 AM
Matrix: AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: IH	
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromoform	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Bromomethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chloroethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chloroform	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Chloromethane	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
cis-1,2-Dichloroethene	1.56	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Ethylbenzene	3.37	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/31/2005 4:46:00 AM
Iodomethane	ND	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
Isopropylbenzene	0.21	0.20	1.00	J	µg/L	1	8/31/2005 4:46:00 AM
m,p-Xylene	8.87	0.60	2.00		µg/L	1	8/31/2005 4:46:00 AM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/31/2005 4:46:00 AM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
n-Propylbenzene	0.36	0.30	1.00	J	µg/L	1	8/31/2005 4:46:00 AM
Naphthalene	36.4	5.0	15.0		µg/L	1	8/31/2005 4:46:00 AM
o-Xylene	12.6	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
p-Isopropyltoluene	0.70	0.30	1.00	J	µg/L	1	8/31/2005 4:46:00 AM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Styrene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/31/2005 4:46:00 AM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/31/2005 4:46:00 AM
Toluene	ND	0.60	2.00		µg/L	1	8/31/2005 4:46:00 AM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Trichloroethene	0.61	0.60	2.00	J	µg/L	1	8/31/2005 4:46:00 AM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/31/2005 4:46:00 AM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/31/2005 4:46:00 AM
Surr: 1,2-Dichloroethane-d4	102	0	72-119		%REC	1	8/31/2005 4:46:00 AM
Surr: 4-Bromofluorobenzene	94.6	0	76-119		%REC	1	8/31/2005 4:46:00 AM

Qualifiers:
ND - Not Detected at the SQL
J - Analyte detected between SQL and RL
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See Final Page of Report for MQLs and MDLs
S - Spike Recovery outside control limits
C - Sample Result or QC discussed in Case Narrative
E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/8/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Surr: Dibromofluoromethane	106	0	85-115		%REC	1	8/31/2005 4:46:00 AM
Surr: Toluene-d8	95.3	0	81-120		%REC	1	8/31/2005 4:46:00 AM
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
1,2,4-Trichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
1,2-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
1,3-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
1,4-Dichlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4,5-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4,6-Trichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dichlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dimethylphenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dinitrophenol	ND	1.0	20.0		µg/L	1	9/7/2005 4:02:00 PM
2,4-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2,6-Dinitrotoluene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Chloronaphthalene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Chlorophenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Methylnaphthalene	9.00	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
2-Nitrophenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
3,3'-Dichlorobenzidine	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
3-Nitroaniline	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4,6-Dinitro-2-methylphenol	ND	1.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
4-Bromophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Chloro-3-methylphenol	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Chloroaniline	ND	1.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
4-Chlorophenyl phenyl ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Methylphenol	40.8	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Nitroaniline	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
4-Nitrophenol	ND	2.0	20.0		µg/L	1	9/7/2005 4:02:00 PM
Acenaphthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Acenaphthylene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Aniline	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[a]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[a]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[b]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[g,h,i]perylene	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Benzo[k]fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS		**SW8270C**				Analyst: **DO**	
Benzoic acid	13.0	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Benzyl alcohol	ND	1.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-chloroethoxy)methane	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-chloroethyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-chloroisopropyl)ether	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Bis(2-ethylhexyl)phthalate	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Butyl benzyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Carbazole	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Chrysene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Di-n-butyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Di-n-octyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Dibenz[a,h]anthracene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Dibenzofuran	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Diethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Dimethyl phthalate	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Fluoranthene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Fluorene	1.0	1.0	4.00	J	µg/L	1	9/7/2005 4:02:00 PM
Hexachlorobenzene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Hexachlorobutadiene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Hexachlorocyclopentadiene	ND	2.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Hexachloroethane	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Indeno[1,2,3-cd]pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Isophorone	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
N-Nitrosodi-n-propylamine	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
N-Nitrosodiphenylamine	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Naphthalene	5.60	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Nitrobenzene	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Pentachlorophenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Phenanthrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Phenol	ND	2.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Pyrene	ND	1.0	4.00		µg/L	1	9/7/2005 4:02:00 PM
Pyridine	ND	4.0	10.0		µg/L	1	9/7/2005 4:02:00 PM
Surr: 2,4,6-Tribromophenol	100	0	53-155		%REC	1	9/7/2005 4:02:00 PM
Surr: 2-Fluorobiphenyl	77.0	0	55-130		%REC	1	9/7/2005 4:02:00 PM
Surr: 2-Fluorophenol	49.5	0	25-120		%REC	1	9/7/2005 4:02:00 PM
Surr: 4-Terphenyl-d14	93.0	0	51-135		%REC	1	9/7/2005 4:02:00 PM
Surr: Nitrobenzene-d5	71.8	0	55-124		%REC	1	9/7/2005 4:02:00 PM
Surr: Phenol-d6	35.0	0	20-120		%REC	1	9/7/2005 4:02:00 PM
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	

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9/25/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	GPT-6-8
Project Name:	Gulfport	**Lab ID:**	0508237-05
Project No:	G486352-03	**Collection Date:**	8/25/2005 11:15:00 AM
Lab Order:	0508237	**Matrix:**	AQUEOUS

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
DISSOLVED GAS		**RSKERR**				Analyst: **SCS**	
Methane	0.789	0.012	0.0400		mg/L	40	8/31/2005 3:59:00 PM
Ethane	ND	0.00060	0.00200		mg/L	1	8/30/2005 2:43:00 PM
Ethylene	ND	0.0010	0.00300		mg/L	1	8/30/2005 2:43:00 PM
TPH BY GC - WATER DRO+ORO		**M8015D**				Analyst: **SCS**	
TPH-DRO C10-C28	7.75	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
TPH-ORO >C28-C35	ND	0.60	1.00		mg/L	1	8/30/2005 6:41:59 PM
Surr: o-Terphenyl	102	0	64-132		%REC	1	8/30/2005 6:41:59 PM
Surr: Octacosane	116	0	26-152		%REC	1	8/30/2005 6:41:59 PM
FERROUS IRON		**M3500-FE**				Analyst: **JBC**	
Iron, Ferrous	11.7	1.2	2.50	J	mg/L	25	8/30/2005 1:28:00 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**				Analyst: **AJR**	
Iron	16500	250	500		µg/L	5	9/2/2005 5:08:00 PM
Manganese	90.2	3.0	10.0		µg/L	1	9/2/2005 1:32:00 PM
SULFIDES-AQUEOUS		**E376.2**				Analyst: **JBC**	
Sulfide	2.37	0.025	0.0250	J	mg/L	5	8/26/2005 2:34:00 PM

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RL - Reporting Limit (MQL adjusted for moisture and sample size)

9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT: Battelle
Project Name: Gulfport
Project No: G486352-03
Lab Order: 0508237

Client Sample ID: Trip Blank
Lab ID: 0508237-06
Collection Date: 8/25/2005
Matrix: TRIP BLANK

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				**Analyst: IH**	
1,1,1,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1,1-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1,2,2-Tetrachloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1,2-Trichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1-Dichloroethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,1-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,3-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,3-Trichloropropane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,4-Trichlorobenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,2,4-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dibromo-3-chloropropane	ND	3.0	10.0		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dibromoethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dichloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,3,5-Trimethylbenzene	ND	1.5	5.00		µg/L	1	8/30/2005 10:46:00 PM
1,3-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,3-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
1,4-Dichlorobenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
2,2-Dichloropropane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
2-Butanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
2-Chloroethylvinylether	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
2-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
2-Hexanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
4-Chlorotoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
4-Methyl-2-pentanone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Acetone	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Benzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromodichloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromoform	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Bromomethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Carbon disulfide	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Carbon tetrachloride	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Chlorobenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Chloroethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Chloroform	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM

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9/7/05

DHL Analytical

Date: *10-Sep-05*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project Name:	Gulfport	**Lab ID:**	0508237-06
Project No:	G486352-03	**Collection Date:**	8/25/2005
Lab Order:	0508237	**Matrix:**	TRIP BLANK

Analyses	Result	SQL	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **IH**	
Chloromethane	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
cis-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
cis-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Dibromochloromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Dibromomethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Dichlorodifluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Ethylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Hexachlorobutadiene	ND	1.0	3.00		µg/L	1	8/30/2005 10:46:00 PM
Iodomethane	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
Isopropylbenzene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
m,p-Xylene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
Methyl tert-butyl ether	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Methylene chloride	ND	2.5	2.50		µg/L	1	8/30/2005 10:46:00 PM
n-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
n-Propylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Naphthalene	ND	5.0	15.0		µg/L	1	8/30/2005 10:46:00 PM
o-Xylene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
p-Isopropyltoluene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
sec-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Styrene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
tert-Butylbenzene	ND	0.30	1.00		µg/L	1	8/30/2005 10:46:00 PM
Tetrachloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
Toluene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
trans-1,2-Dichloroethene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
trans-1,3-Dichloropropene	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Trichloroethene	ND	0.60	2.00		µg/L	1	8/30/2005 10:46:00 PM
Trichlorofluoromethane	ND	0.20	1.00		µg/L	1	8/30/2005 10:46:00 PM
Vinyl chloride	ND	0.10	1.00		µg/L	1	8/30/2005 10:46:00 PM
Surr: 1,2-Dichloroethane-d4	102	0	72-119		%REC	1	8/30/2005 10:46:00 PM
Surr: 4-Bromofluorobenzene	96.8	0	76-119		%REC	1	8/30/2005 10:46:00 PM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	8/30/2005 10:46:00 PM
Surr: Toluene-d8	94.8	0	81-120		%REC	1	8/30/2005 10:46:00 PM

Qualifiers:

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E - TPH pattern not Gas or Diesel Range Pattern
SQL - Sample Quantitation Limit
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9/15/05

APPENDIX E:

Data Validation Report for October 2006 Soil Investigation

LABORATORY DATA CONSULTANTS, INC.
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Battelle
505 King Ave
Columbus, OH 43201-2693
ATTN: Ms. Lydia Cumming

November 6, 2006

SUBJECT: NCBC Gulfport, Data Validation

Dear Ms. Cumming,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on October 23, 2006. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 15645:

SDG #	Fraction
0610033	Volatiles, Semivolatiles, Gasoline Range Organics, Diesel Range Organics & Oil Range Organics

The data validation was performed under EPA Level III and IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

ERauto

Erlinda T. Rauto
Operations Manager/Senior Chemist

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Attachment 1

LDC #15645 (Battelle-Columbus, OH / NCBC Gulfport)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260B)		SVOA (8270C)		GRO (8015)		DRO ORO (8015)																											
Matrix	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	0610033	10/23/06	11/13/06	1	11	0	13	0	13	0	13																										
A	0610033	10/23/06	11/13/06	0	1	0	1	0	1	0	1																										
Total	B/LR			1	12	0	14	0	14	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55

Shaded cells indicate Level IV validation (all other cells are Level III validation)

15645ST.wpd

NCBC Gulport, MS
Data Validation Reports
LDC# 15645

Volatiles

LDC Report# 15645A1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: October 4, 2006

LDC Report Date: November 1, 2006

Matrix: Soil/Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0610033

Sample Identification

SS1-10-100406**
SS2-20-100406
SS3-45-100406
SS4-5-100406
SS5-10-100406
SS6-25-100406
SS7-5-100406
SS8-4-100406
SS9-6-100406
SS10-4-100406
SS11-5-100406
SS12-4-100406
Trip Blank

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 12 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
10/10/06	1,1,2,2-Tetrachloroethane	32.3	SS2-20-100406 SS3-45-100406 SS4-5-100406 SS5-10-100406 SS6-25-100406 SS7-5-100406 SS8-4-100406 SS9-6-100406 SS10-4-100406 SS11-5-100406 SS12-4-100406 MB-23756	J (all detects) UJ (all non-detects)	A
10/12/06	1,1,2,2-Tetrachloroethane n-Butylbenzene Hexachlorobutadiene	25.8 25.7 25.3	SS1-10-100406**	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample "Trip Blank" was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
SS5-10-100406	Bromofluorobenzene	206 (82-125)	All 1X compounds	J (all detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
LCS/D-23756 (All samples in SDG 0610033)	Methylene chloride		153 (63-137)		J (all detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 0610033

SDG	Sample	Compound	Flag	A or P	Reason
0610033	SS2-20-100406 SS3-45-100406 SS4-5-100406 SS5-10-100406 SS6-25-100406 SS7-5-100406 SS8-4-100406 SS9-6-100406 SS10-4-100406 SS11-5-100406 SS12-4-100406	1,1,2,2-Tetrachloroethane	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
0610033	SS1-10-100406**	1,1,2,2-Tetrachloroethane n-Butylbenzene Hexachlorobutadiene	J (all detects) UJ (all non-detects)		Continuing calibration (%D)
0610033	SS5-10-100406	All 1X compounds	J (all detects)	A	Surrogate spikes (%R)
0610033	SS1-10-100406** SS2-20-100406 SS3-45-100406 SS4-5-100406 SS5-10-100406 SS6-25-100406 SS7-5-100406 SS8-4-100406 SS9-6-100406 SS10-4-100406 SS11-5-100406 SS12-4-100406 Trip Blank	Methylene chloride	J (all detects)	P	Laboratory control samples (%R)

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

LDC #: 15645A1
SDG #: 0610033
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 10/27/06
Page: 1 of 1
Reviewer: JRC
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	alidation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/04/06
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD r✓
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	Client specified
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	Not ~~reported~~ provided not reviewed for Level III
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	TB = 13

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Soil + Water

1	SS1-10-100406**	S	11	SS11-5-100406	S	21	MB-23756	31	
2	SS2-20-100406		12	SS12-4-100406		22	MB-23755	32	
3	SS3-45-100406		13	Trip Blank	W	23		33	
4	SS4-5-100406		14			24		34	
5	SS5-10-100406		15			25		35	
6	SS6-25-100406		16			26		36	
7	SS7-5-100406		17			27		37	
8	SS8-4-100406		18			28		38	
9	SS9-6-100406		19			29		39	
10	SS10-4-100406		20			30		40	

LDC #: 16645A1
SDG #: 06 10033

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: JG
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) ≥ 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?				
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?		✓		
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 15645A1
SDG #: 06 10033

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: NG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?				
Were retention times within ± 30 seconds of the associated calibration standard?				
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?		NA	✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.				
Target compounds were detected in the field duplicates.				
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.		✓		

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	S. Trichloroethene	KK. Trichlorofluoromethane	CCC. tert-Butylbenzene	UUU. 1,2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dibromochloromethane	LL. Methyl-tert-butyl ether	DDD. 1,2,4-Trimethylbenzene	VVV. 4-Ethyltoluene
C. Vinyl choride**	U. 1,1,2-Trichloroethane	MM. 1,2-Dibromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
D. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dichlorobenzene	XXX. Di-isopropyl ether
E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2,2-Dichloropropane	GGG. p-Isopropyltoluene	YYY. tert-Butanol
F. Acetone	X. Bromoform*	PP. Bromochloromethane	HHH. 1,4-Dichlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y. 4-Methyl-2-pentanone	QQ. 1,1-Dichloropropene	III. n-Butylbenzene	AAAA. Ethyl tert-butyl ether
H. 1,1-Dichloroethene**	Z. 2-Hexanone	RR. Dibromomethane	JJJ. 1,2-Dichlorobenzene	BBBB. tert-Amyl methyl ether
I. 1,1-Dichloroethane*	AA. Tetrachloroethene	SS. 1,3-Dichloropropane	KKK. 1,2,4-Trichlorobenzene	CCCC.1-Chlorohexane
J. 1,2-Dichloroethene, total	BB. 1,1,2,2-Tetrachloroethane*	TT. 1,2-Dibromoethane	LLL. Hexachlorobutadiene	DDDD. Isopropyl alcohol
K. Chloroform**	CC. Toluene**	UU. 1,1,1,2-Tetrachloroethane	MMM. Naphthalene	EEEE. Acetonitrile
L. 1,2-Dichloroethane	DD. Chlorobenzene*	VV. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylbenzene**	WW. Bromobenzene	OOO. 1,3,5-Trichlorobenzene	GGGG. Acrylonitrile
N. 1,1,1-Trichloroethane	FF. Styrene	XX. 1,2,3-Trichloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4-Dioxane
O. Carbon tetrachloride	GG. Xylenes, total	YY. n-Propylbenzene	QQQ. cis-1,2-Dichloroethene	IIII. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	ZZ. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonitrile
Q. 1,2-Dichloropropane**	II. 2-Chloroethylvinyl ether	AAA. 1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionitrile
R. cis-1,3-Dichloropropene	JJ. Dichlorodifluoromethane	BBB. 4-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	LLLL.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 15645A1
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/10/06	061010 02	BB	32.3		2-12, MB-23756	J/UJ/A
	10/12/06	061012 02	BB	25.8		↓	J/UJ/A
			III	25.7		↓	↓
			LLL	25.3		↓	↓

CONCAL.1SB

LDC #: 15645A1
SDG #: 0610033

VALIDATION FINDINGS WORKSHEET
Surrogate Spikes

Reviewer: DIG
2nd Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were all surrogate %R within QC limits?

(Y) N N/A If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R out of outside of criteria?

#	Date	Sample ID	Surrogate	%Recovery (Limits)	Qualifications
		#5	BFB	206 (82-125)	J dets /A (1x only)
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	QC Limits (Soil)	QC Limits (Water)
SMC1 (TOL) = Toluene-d8	81-117	88-110
SMC2 (BFB) = Bromofluorobenzene	74-121	86-115
SMC3 (DCE) = 1,2-Dichloroethane-d4	80-120	80-120
SMC4 (DFM) = Dibromofluoromethane	80-120	86-118

LDC #: 15645A1
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: NG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		LCS/D-23756	E	2 ( )	153 (63-137)	( )	All + Blk.	J dets / P
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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LDC #: 15645 A1
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (46.4 std)	Recalculated RRF (46.4 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/16/06	Methylene chloride (1st internal standard)	see	1st cal	culations			
	MS Ins		~~Trichlorethene~~ AA (2nd internal standard)	0.357	0.357	0.345	0.345	3.20	3.1
			~~Toluene~~ BB (3rd internal standard)	0.688	0.688	0.675	0.676	2.95	2.95
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A1
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	06101002	10/10/06	Methylene chloride (1st internal standard)	46.4	50.58	50.61	NR	9
			~~Trichlorethene~~ AA (2nd internal standard)	0.345	0.326	0.326	5.5	5.6
			~~Toluene~~ BB (3rd internal standard)	0.675	0.457	0.457	3.3	32.3
2	06101202	10/12/06	Methylene chloride (1st internal standard)	46.4	51.55	51.58	NR	11.2
			~~Trichlorethene~~ AA (2nd internal standard)	0.345	0.294	0.294	14.8	14.8
			~~Toluene~~ BB (3rd internal standard)	0.675	0.501	0.501	25.8	25.8
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645 A1
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	50	41.37	82.7	82.7	0
Bromofluorobenzene	↓	46.74	93.5	93.5	↓
1,2-Dichloroethane-d4	↓	51.00	102	102	↓
Dibromofluoromethane	↓	49.38	98.8	98.8	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #: 15645A1
SDG #: 0610033

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: NG
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboraotry control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS/D - 23756

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	23.20	23.20	23.6	24.1	102	102	104	104	NR	2
Trichloroethene			25.0	25.2	108	108	108	109		1
Benzene			23.8	24.6	103	103	106	106		3
Toluene			24.2	25.2	104	104	109	109		4
Chlorobenzene			22.2	23.1	95.8	95.8	99.4	99.7		4

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A1
SDG #: 061003

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JV
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
RRF	=	Relative response factor of the calibration standard.
V_o	=	Volume or weight of sample pruged in milliliters (ml) or grams (g).
Df	=	Dilution factor.
%S	=	Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, QQQ:

Conc. = $\frac{(5699)(50)(5\,ml)}{(543411)(0.348)(0.794)(6.76\,g)}$

= 1.404

≈ 1.40 ug/kg

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

NCBC Gulport, MS
Data Validation Reports
LDC# 15645

Semivolatiles

LDC Report# 15645A2

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: October 4, 2006

LDC Report Date: November 1, 2006

Matrix: Soil

Parameters: Semivolatiles

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0610033

Sample Identification

SS1-10-100406**
SS2-20-100406
SS3-45-100406
SS4-5-100406
SS5-10-100406
SS6-25-100406
SS7-5-100406
SS8-4-100406
SS9-6-100406
SS10-4-100406
SS11-5-100406
SS12-4-100406
SS4-5-100406MS
SS4-5-100406MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 14 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
SS5-10-100406	Terphenyl-d14 Nitrobenzene-d5	54.0 (60-129) 135.0 (45-125)	All base/neutral compounds	J (all detects) UJ (all non-detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
SS4-5-100406MS/MSD (SS4-5-100406)	Aniline Hexachlorocyclopentadiene 2-Chloronaphthalene 2-Methylnaphthalene 2-Nitroaniline Bis(2-chloroethyl) ether 4-Chlorophenyl-phenyl ether Di-n-octylphthalate N-Nitroso-di-n-propylamine Nitrobenzene	33 (40-125) 25.4 (34-125)		 40.6 (≤30) 35.3 (≤30) 30.7 (≤30) 33.4 (≤30) 31.3 (≤30) 35.5 (≤30) 35.2 (≤30) 31.4 (≤30) 30.9 (≤30)	J (all detects) UJ (all non-detects)	A
SS4-5-100406MS/MSD (SS4-5-100406)	Benzo(k)fluoranthene Benzo(b)fluoranthene	136 (45-125)	180 (45-125) 152 (45-115)		J (all detects) J (all detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 0610033

SDG	Sample	Compound	Flag	A or P	Reason
0610033	SS5-10-100406	Bis(2-chloroethyl) ether 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Bis(2-chloroisopropyl) ether N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone Bis(2-chloroethoxy)methane 1,2,4-Trichlorobenzene 4-Chloroaniline Hexachlorobutadiene Hexachlorocyclopentadiene 2-Chloronaphthalene 2-Nitroaniline Dimethylphthalate Acenaphthylene 2,6-Dinitrotoluene 3-Nitroaniline Acenaphthene Dibenzofuran 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenylphenyl ether 4-Nitroaniline Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethyhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenz(a,h)anthracene Aniline Pyridine Benzyl alcohol	J (all detects) UJ (all non-detects)	A	Surrogate spikes (%R)
0610033	SS4-5-100406	2-Chloronaphthalene 2-Methylnaphthalene 2-Nitroaniline Bis(2-chloroethyl) ether 4-Chlorophenyl-phenyl ether Di-n-octylphthalate N-Nitroso-di-n-propylamine Nitrobenzene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)
0610033	SS4-5-100406	Aniline Hexachlorocyclopentadiene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)

SDG	Sample	Compound	Flag	A or P	Reason
0610033	SS4-5-100406	Benzo(k)fluoranthene Benzo(b)fluoranthene	J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

LDC #: 15645A2
SDG #: 0610033
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 10/27/06
Page: 1 of 1
Reviewer: DL
2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	idation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/04/06
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD r²
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	Not provided not reviewed for level III (except #4)
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

'alidated Samples: ** Indicates sample underwent Level IV validation

Soil

1	SS1-10-100406**	11	SS11-5-100406	21	MB – 23724	31	
2	SS2-20-100406	12	SS12-4-100406	22		32	
3	SS3-45-100406	13	SS4-5-100406MS	23		33	
4	SS4-5-100406	14	SS4-5-100406MSD	24		34	
5	SS5-10-100406	15		25		35	
6	SS6-25-100406	16		26		36	
7	SS7-5-100406	17		27		37	
8	SS8-4-100406	18		28		38	
9	SS9-6-100406	19		29		39	
10	SS10-4-100406	20		30		40	

LDC #: 15645 A2
SDG #: 06 10033

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: NG
2nd Reviewer: [illegible]

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?				
Were all samples analyzed within the 12 hour clock criteria?				
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) ≥ 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?	✓			
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?	✓			
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 15645 A2
SDG #: 0610033

VALIDATION FINDINGS CHECKLIST

Reviewer: JG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
XVII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

A. Phenol**	P. Bis(2-chloroethoxy)methane	EE. 2,6-Dinitrotoluene	TT. Pentachlorophenol**	III. Benzo(a)pyrene**
B. Bis (2-chloroethyl) ether	Q. 2,4-Dichlorophenol**	FF. 3-Nitroaniline	UU. Phenanthrene	JJJ. Indeno(1,2,3-cd)pyrene
C. 2-Chlorophenol	R. 1,2,4-Trichlorobenzene	GG. Acenaphthene**	VV. Anthracene	KKK. Dibenz(a,h)anthracene
D. 1,3-Dichlorobenzene	S. Naphthalene	HH. 2,4-Dinitrophenol*	WW. Carbazole	LLL. Benzo(g,h,i)perylene
E. 1,4-Dichlorobenzene**	T. 4-Chloroaniline	II. 4-Nitrophenol*	XX. Di-n-butylphthalate	MMM. Bis(2-Chloroisopropyl)ether
F. 1,2-Dichlorobenzene	U. Hexachlorobutadiene**	JJ. Dibenzofuran	YY. Fluoranthene**	NNN. Aniline
G. 2-Methylphenol	V. 4-Chloro-3-methylphenol**	KK. 2,4-Dinitrotoluene	ZZ. Pyrene	OOO. N-Nitrosodimethylamine
H. 2,2'-Oxybis(1-chloropropane)	W. 2-Methylnaphthalene	LL. Diethylphthalate	AAA. Butylbenzylphthalate	PPP. Benzoic Acid
I. 4-Methylphenol	X. Hexachlorocyclopentadiene*	MM. 4-Chlorophenyl-phenyl ether	BBB. 3,3'-Dichlorobenzidine	QQQ. Benzyl alcohol
J. N-Nitroso-di-n-propylamine*	Y. 2,4,6-Trichlorophenol**	NN. Fluorene	CCC. Benzo(a)anthracene	RRR. Pyridine
K. Hexachloroethane	Z. 2,4,5-Trichlorophenol	OO. 4-Nitroaniline	DDD. Chrysene	SSS. Benzidine
L. Nitrobenzene	AA. 2-Chloronaphthalene	PP. 4,6-Dinitro-2-methylphenol	EEE. Bis(2-ethylhexyl)phthalate	TTT.
M. Isophorone	BB. 2-Nitroaniline	QQ. N-Nitrosodiphenylamine (1)**	FFF. Di-n-octylphthalate**	UUU.
N. 2-Nitrophenol**	CC. Dimethylphthalate	RR. 4-Bromophenyl-phenylether	GGG. Benzo(b)fluoranthene	VVV.
O. 2,4-Dimethylphenol	DD. Acenaphthylene	SS. Hexachlorobenzene	HHH. Benzo(k)fluoranthene	WWW.

LDC #: 15645A2
SDG #: D610033

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)
Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were percent recoveries (%R) for surrogates within QC limits?
(Y) N N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?
(Y) N N/A If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Date	Sample ID	Surrogate	%R (Limits)	Qualifications
		5 (10x)	FBP	47.3 (60-135)	No qual
			TPH	59.7 (60-129)	↓
				( )	
		5 (1x)	TPH	54.0 (60-129)	J/UJ/A (Base Neutral)
			NBZ	135.0 (45-125)	↓ ↓
				( )	
		12	TBP	140 (45-138)	No qual (only 1 out)
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

* QC limits are advisory	QC Limits (Soil)	QC Limits (Water)		QC Limits (Soil)	QC Limits (Water)
S1 (NBZ) = Nitrobenzene-d5	23-120	35-114	S5 (2FP)= 2-Fluorophenol	25-121	21-100
S2 (FBP) = 2-Fluorobiphenyl	30-115	43-116	S6 (TBP) = 2,4,6-Tribromophenol	19-122	10-123
S3 (TPH) = Terphenyl-d14	18-137	33-141	S7 (2CP) = 2-Chlorophenol-d4	20-130*	33-110*
S4 (PHL) = Phenol-d5	24-113	10-94	S8 (DCB) = 1,2-Dichlorobenzene-d4	20-130*	16-110*

Semi-Volatile Surrogates

Acid	Base
Phenol-d5 2-Fluorophenol 2,4,6-Tribromophenol 2-Chlorophenol-d4	Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14 1,2-Dichlorobenzene-d4

Semi-Volatile Acid/Base Fraction

Acid Fraction	Base Neutral
Phenol 2-Chlorophenol 2-Methylphenol 4-Methylphenol 2-Nitrophenol 2,4-Dimethylphenol 2,4-Dichlorophenol 4-Chloro-3-methylphenol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrophenol 4-Nitrophenol 4,6-Dinitro-2-methylphenol Pentachlorophenol	Bis(2-chloroethyl) ether 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Bis(2-chloroisopropyl) ether N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone Bis(2-chloroethoxy)methane 1,2,4-Trichlorobenzene ~~Naphthalene~~ 4-Chloroaniline Hexachlorobutadiene ~~2-Methylnaphthalene~~ Hexachlorocyclopentadiene 2-Chloronaphthalene 2-Nitroaniline Dimethylphthalate Acenaphthylene 2,6-Dinitrotoluene 3-Nitroaniline Acenaphthene Dibenzofuran 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenylphenyl ether ~~Fluorene~~ 4-Nitroaniline ~~N-Nitrosodiphenylamine~~ ~~4-Bromophenylphenyl ether~~ ~~Hexachlorobenzene~~ ~~Phenanthrene~~ ~~Anthracene~~ ~~Di-n-butylphthalate~~ ~~Fluoranthene~~ ~~Pyrene~~ Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene ~~Indeno(1,2,3-cd)pyrene~~ Dibenz(a,h)anthracene ~~Benzo(g,h,i)perylene~~	Aniline ~~Carbazole~~ Pyridine

LDC #: 156545A2
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: NG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		13/14	NNN	33 (40-125)	( )	(	4	J/UJ/A
			HHH	136 (45-125)	180 (45-125)	(		J dets /A
			X	25.4 (34-125)	( )	40.6 (30)		J/UJ/A
			AA	(	( )	35.3 (30)		
			W	( )	( )	30.7 ( )		
			BB	( )	( )	33.4 ( )		
			GGG	( )	152 (45-115)	( )		J dets /A
			B	( )	( )	31.3 ( )		J/UJ/A
			MMM	( )	( )	35.5 ( )		
			FFF	( )	( )	35.2 ( )		
			J	( )	( )	31.4 ( )		
			L	( )	( )	30.9 ( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

	Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)		Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)
A.	Phenol	26-90%	≤ 35%	12-110%	≤ 42%	GG.	Acenaphthene	31-137%	≤ 19%	46-118%	≤ 31%
C.	2-Chlorophenol	25-102%	≤ 50%	27-123%	≤ 40%	II.	4-Nitrophenol	11-114%	≤ 50%	10-80%	≤ 50%
E.	1,4-Dichlorobenzene	28-104%	≤ 27%	36-97%	≤ 28%	KK.	2,4-Dinitrotoluene	28-89%	≤ 47%	24-96%	≤ 38%
J.	N-Nitroso-di-n-propylamine	41-126%	≤ 38%	41-116%	≤ 38%	TT.	Pentachlorophenol	17-109%	≤ 47%	9-103%	≤ 50%
R.	1,2,4-Trichlorobenzene	38-107%	≤ 23%	39-98%	≤ 28%	ZZ.	Pyrene	35-142%	≤ 36%	26-127%	≤ 31%
V.	4-Chloro-3-methylphenol	26-103%	≤ 33%	23-97%	≤ 42%						

LDC #: 15645A2
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (5.0 std)	Recalculated RRF (5.0 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAV	10/06/06	Phenol (1st internal standard)	~~1.754~~ NR	1.755	1.741	1.741	2.91	2.91
			Naphthalene (2nd internal standard)		1.138	1.145	1.145	7.15	7.14
	MS #3		Fluorene (3rd internal standard)		1.511	1.407	1.407	6.34	6.33
			Pentachlorophenol (4th internal standard)		0.160	0.136	0.136	12.64	12.72
			Bis(2-ethylhexyl)phthalate (5th internal standard)		1.048	0.961	0.961	7.86	7.85
			Benzo(a)pyrene (6th internal standard)		1.356	1.229	1.229	7.09	7.07
2			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						
3			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A2
SDG #: 0610033

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	06100705	10/06/06	Phenol (1st internal standard)	1.741	1.597	1.597	8.3	8.2
			Naphthalene (2nd internal standard)	1.145	1.095	1.095	4.4	4.4
			Fluorene (3rd internal standard)	1.402	1.466	1.466	4.6	4.6
			Pentachlorophenol (4th internal standard)	0.136	0.143	0.143	5.1	5.4
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.961	0.930	0.930	3.2	3.3
			Benzo(a)pyrene (6th internal standard)	1.229	1.201	1.201	2.3	2.3
2			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 12645 A2
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	4	2.99	74.4	74.8	0.5
2-Fluorobiphenyl		3.37	83.8	84.3	0.5
Terphenyl-d14		3.67	91.3	91.8	0.5
Phenol-d5		3.14	78.1	78.5	0.5
2-Fluorophenol		3	74.6	75	0.5
2,4,6-Tribromophenol		2.37	59	59.3	0.4
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 15645A2
SDG #: 0610033

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: JTC
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA

Where: SSC = Spike concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS - 23724

Compound	Spike Added (mg/kg)		Spike Concentration (mg/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	1.340	NA	1.23	NA	91.5	91.8				
2-Chlorophenol			1.19		89.1	88.8				
1,4-Dichlorobenzene			1.18		88.1	88.1				
N-Nitroso-di-n-propylamine			1.33		99.5	99.3				
1,2,4-Trichlorobenzene			1.24		92.5	92.5				
4-Chloro-3-methylphenol			1.29		96.5	96.3				
Acenaphthene			1.35		101	101				
4-Nitrophenol			1.47		109	110				
2,4-Dinitrotoluene			1.43		106	107				
Pentachlorophenol			1.26		94.0	94.0				
Pyrene			1.43		107	107				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A2
SDG #: 06 10073

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: JG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration, SA = Spike added, SC = Sample concentation

RPD = I MS - MSD I * 2/(MS + MSD) MS = Matrix spike percent recovery MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 13/14

Compound	Spike Added (mg/kg)		Sample Concentration (mg/kg)	Spiked Sample Concentration ( )		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	1.541	1.540	0	0.736	0.904	47.8	47.8	58.7	58.7	20.5	20.5
2-Chlorophenol	↓	↓	↓	0.805	0.950	52.2	52.2	61.7	61.9	16.5	16.5
1,4-Dichlorobenzene	↓	↓	↓	0.713	0.950	46.3	46.3	61.7	61.9	28.5	28.5
N-Nitroso-di-n-propylamine	↓	↓	↓	0.697	0.957	45.3	45.2	62.2	62.2	31.4	31.4
1,2,4-Trichlorobenzene	↓	↓	↓	0.828	1.06	53.7	53.7	69.2	68.8	25.0	25.6
4-Chloro-3-methylphenol	↓	↓	↓	0.989	1.16	64.2	64.2	75.6	75.3	16.3	15.9
Acenaphthene	↓	↓	↓	0.858	1.06	55.7	55.7	69.2	68.8	21.4	21.1
4-Nitrophenol	↓	↓	↓	1.13	1.49	73.1	73.3	96.5	96.8	27.5	27.5
2,4-Dinitrotoluene	↓	↓	↓	0.973	1.17	63.2	63.1	76.1	76.0	18.5	18.4
Pentachlorophenol	↓	↓	↓	1.02	1.13	66.2	66.2	73.6	73.4	10.6	10.2
Pyrene	↓	↓	↓	0.904	1.06	58.7	58.7	69.2	68.8	16.3	15.89

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A2
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JL
2nd reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 1, Naphthalene

$$\text{Conc.} = \frac{(33246)(4)(10\text{ ml})(\quad)(\quad)}{(1938963)(1.145)(15.7\text{ g})(0.794)(\quad)}$$

= 0.0497 ug/kg

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

NCBC Gulport, MS
Data Validation Reports
LDC# 15645

Gasoline Range Organics

LDC Report# 15645A7

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: October 4, 2006

LDC Report Date: November 1, 2006

Matrix: Water

Parameters: Gasoline Range Organics

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0610033

Sample Identification

SS1-10-100406**
SS2-20-100406
SS3-45-100406
SS4-5-100406
SS5-10-100406
SS6-25-100406
SS7-5-100406
SS8-4-100406
SS9-6-100406
SS10-4-100406
SS11-5-100406
SS12-4-100406
SS1-10-100406MS
SS1-10-100406MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 14 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015M for Gasoline Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits

III. Blanks

Method blanks were reviewed for each matrix as applicable. No gasoline range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Gasoline Range Organics - Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

LDC #: 15645A7
SDG #: 0610033
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 10/27/06
Page: 1 of 1
Reviewer: NG
2nd Reviewer: [illegible]

METHOD: GC Gasoline Range Organics (EPA SW846 Method 8015~~B~~M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/04/06
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	CCV (85-115%)
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	A	
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

1	SS1-10-100406**	11	SS11-5-100406	21	MB-23765	31	
2	SS2-20-100406	12	SS12-4-100406	22		32	
3	SS3-45-100406	13	SS1-10-100406MS	23		33	
4	SS4-5-100406	14	SS1-10-100406MSD	24		34	
5	SS5-10-100406	15		25		35	
6	SS6-25-100406	16		26		36	
7	SS7-5-100406	17		27		37	
8	SS8-4-100406	18		28		38	
9	SS9-6-100406	19		29		39	
10	SS10-4-100406	20		30		40	

Notes:

LDC #: 15645A7
SDG #: 06 10033

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: NG
2nd Reviewer: [illegible]

Method: ✓ GC ____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ____%D or ✓ %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 15645A7
SDG #: 06100033

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: NG
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds idetected in the field duplicates?			✓	
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 15645 A7
SDG #: 0610033

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC_____

The calibration Factor (CF), average CF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

A = Area of compound,
C = Concentration of compound,
S = Standard deviation of the CF
X = Mean of the CFs

#	Standard ID	Calibration Date	Compound	Reported CF (10 std)	Recalculated CF (10 std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	1 CAL	11/29/05	Gasoline	976253.1	976253.1	848495.4375	848495.3571	14.427	14.427
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A7
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: ORG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC_____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %D	Recalculated %D
1	6/011#4.022	6/11/06	Gasoline	10	11.03919	11.03918	NR	10.4
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

CONCLC.1S

LDC #: 15645 A7
SDG #: 06 10633

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: DVG
2nd reviewer: [illegible]

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloroethene	FID	0.4	0.373	93.3	93.3	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 15645A7
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA Where SSC = Spiked sample concentration SC = Sample concentration
SA = Spike added

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100 MS = Matrix spike MSD = Matrix spike duplicate

MS/MSD samples: 13/14

Compound	Spike Added (mg/kg)		Sample Conc. (mg/kg)	Spike Sample Concentration (mg/kg)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)	4.659	4.571	0.0569x	4.60	4.95	97.5	97.5	107	107	7.35	7.33
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A7
SDG #: 06100033

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer:
2nd Reviewer:

_____METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

Where SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

RPD =(((SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

LCS/LCSD samples: LCS-23765

Compound	Spike Added (mg/kg)		Sample Conc. (mg/kg)	Spike Sample Concentration (mg/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)	5.00	NA	0	5.53	NA	111	111				
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 156454A7
SDG #: 06-10033

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: NG
2nd Reviewer: [illegible]

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #1 Compound Name Gasoline

Concentration = (53899.39)(5 ml) / (848495.4375)(7.03g)(0.794) = 0.0569 mg/kg

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments:

SAMPCALew.wpd

NCBC Gulport, MS
Data Validation Reports
LDC# 15645

Diesel Range Organics & Oil Range Organics

LDC Report# 15645A8

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: October 4, 2006

LDC Report Date: November 2, 2006

Matrix: Water

Parameters: Diesel Range Organics & Oil Range Organics

Validation Level: EPA Level III & IV

Laboratory: DHL Analytical

Sample Delivery Group (SDG): 0610033

Sample Identification

SS1-10-100406**
SS2-20-100406
SS3-45-100406
SS4-5-100406
SS5-10-100406
SS6-25-100406
SS7-5-100406
SS8-4-100406
SS9-6-100406
SS10-4-100406
SS11-5-100406
SS12-4-100406
SS11-5-100406MS
SS11-5-100406MSD

**Indicates sample underwent EPA Level IV review

This data review covers 14 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015M for Diesel Range Organics and Oil Range Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

Indicates an estimated value.

Quality control indicates the data is not usable.

Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Indicates the finding is based upon technical validation criteria.

Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent recoveries (%R) of amounts in continuing standard mixtures were within the 85-115% QC limits

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic or oil range organic contaminants were found in the method blanks.

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
SS7-5-100406	ortho-Terphenyl	159 (47-142)	Oil range organics	J (all detects)	A

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
SS11-5-100406MS/MSD (SS11-5-100406)	Diesel range organics		49.8 (50-114)	32.3 (≤30)	Diesel range organics Oil range organics	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VII. System Performance

The system performance was acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Data Qualification Summary - SDG 0610033

SDG	Sample	Compound	Flag	A or P	Reason
0610033	SS7-5-100406	Oil range organics	J (all detects)	A	Surrogate recovery (%R)
0610033	SS11-5-100406	Diesel range organics Oil range organics	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Laboratory Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics & Oil Range Organics - Field Blank Data Qualification Summary - SDG 0610033

No Sample Data Qualified in this SDG

LDC #: 15645A8
SDG #: 0610033
Laboratory: DHL Analytical

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 10/27/06
Page: 1 of 1
Reviewer: NG
2nd Reviewer: [illegible]

METHOD: GC Diesel Range Organics & Oil Range Organics (EPA SW846 Method 8015~~B~~M)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/04/06
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	CCV (85-115%)
III.	Blanks	A	
IVa.	Surrogate recovery	SW	
IVb.	Matrix spike/Matrix spike duplicates	SW	
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

+ 1	SS1-10-100406**	+ 11	SS11-5-100406	21	MB-23747	31	
+ 2	SS2-20-100406	+ 12	SS12-4-100406	22		32	
+ 3	SS3-45-100406	13	SS11-5-100406MS	23		33	
+ 4	SS4-5-100406	14	SS11-5-100406MSD	24		34	
+ 5	SS5-10-100406	15		25		35	
+ 6	SS6-25-100406	16		26		36	
+ 7	SS7-5-100406	17		27		37	
+ 8	SS8-4-100406	18		28		38	
+ 9	SS9-6-100406	19		29		39	
+ 10	SS10-4-100406	20		30		40	

Notes:

LDC #: 15465A8
SDG #: 06100377

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Method: ✓ GC ____ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were the RT windows properly established?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ____%D or ✓ %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 85-115%?	✓			
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?		✓		
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?	✓			
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			

LDC #: 15645A8
SDG #: UG10033

VALIDATION FINDINGS CHECKLIST

Reviewer: JVC
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds idetected in the field duplicates?			✓	
XV. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	

LDC #: 15645A8
SDG #: 06 10033

VALIDATION FINDINDS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC __ HPLC
Are surrogates required by the method? Yes ✓ or No____.
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Were surrogates spiked into all samples and blanks?
Y (N) N/A Did all surrogate recoveries (%R) meet the QC limits?

#	Sample ID	Detector/Column	Surrogate Compound	%R (Limits)	Qualifications
	5 (20x)	FID	H	775 (47-142)	No qual
			G	768 (25-162)	
				( )	
	7 (5x)		H	147 (47-142)	
				( )	
	7 (1x)		H	159 (47-142)	J dets / A (qual TPH-ORO only)
				( )	
	9 (20x)		H	230 ( )	No qual
				( )	
	12 (5x)		H	209 ( )	
			G	383 (25-162)	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decafluorobiphenyl (DCB)	U	Tripentyltin
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate
	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate

LDC #: 15645A8
SDG #: D6 10033

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

Y N N/A Was an MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y N N/A Were the MS/MSD percent recoveries (%R) and relative percent differences (RPD) within QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	13/14	DRO	( )	49.8 (50-114)	32.3 (30)	11	/A
			( )	( )	( )		(qual all TCL)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		

LDC #: 15645-A8
SDG #: 06100373

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC ✓ HPLC ____

The calibration Factor (CF), average CF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

A = Area of compound,
C = Concentration of compound,
S = Standard deviation of the CF
X = Mean of the CFs

#	Standard ID	Calibration Date	Compound	Reported CF (100 std)	Recalculated CF (100 std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	8/28/06	Diesel	3708.79	3708.79	4070.254	4070.254	13.544	13.544
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A8
SDG #: 061033

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: GC_____ HPLC_____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %D	Recalculated %D
1	061010.002	10/10/02	Diesel	1000	924.535	924.474	NR	7.6
2	061010.019	10/11/02		500	574.0908	574.0588		2.8
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

CONCLC.1S

LDC #: 15645A8
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG
2nd reviewer: [illegible]

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
O-Terphenyl	FID	~~8.03505~~ 15	8.03505	53.6	53.6	0
Octacosane	↓		9.59445	64.0	64	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

LDC #: 15645A8
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

Where SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100

MS = Matrix spike; MSD = Matrix spike duplicate

MS/MSD samples: 13/14

Compound	Spike Added (mg/kg)		Sample Conc. (mg/kg)	Spike Sample Concentration (mg/kg)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)	269.1	269.1	5.559	193	139	69.7	69.7	49.8	49.6	32.3	32.5
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A8
SDG #: 06 100327

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: SJG
2nd Reviewer: R

_____METHOD: ✓GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added; LCS = Laboratory Control Sample; SC = Sample concentration; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS - 23747

Compound	Spike Added (mg/kg)		Sample Conc. (mg/kg)	Spike Sample Concentration (mg/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	---	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)	250	NA	0	154	NA	61.6	61.6	—	—	—	—
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15645A8
SDG #: 06 10033

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #1 Compound Name Diesel

~~Total~~: Concentration = (41524.15) / (4070.254) = 10.2019

DRO (no area reported) = 6.327192 (10 ml) / (10.4g) (0.794) = 7.66 mg/kg

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments:

SAMPCALew.wpd

NCBC Gulport, MS
Data Validation Reports
LDC# 15645

Form 1s

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS1-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-01
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:30:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	7.66	3.63	12.1		mg/Kg-dry	1	10/10/2006 8:26:07 PM
TPH-ORO >C28-C35	4.69	3.63	12.1		mg/Kg-dry	1	10/10/2006 8:26:07 PM
Surr: o-Terphenyl	53.6	0	47-142		%REC	1	10/10/2006 8:26:07 PM
Surr: Octacosane	64.0	0	25-162		%REC	1	10/10/2006 8:26:07 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	0.0569	0.0538	0.179		mg/Kg-dry	1	10/11/2006 5:47:51 PM
Surr: Tetrachlorethene	93.3	0	70-134		%REC	1	10/11/2006 5:47:51 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0249	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
1,2-Dichlorobenzene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
1,3-Dichlorobenzene	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
1,4-Dichlorobenzene	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,4,5-Trichlorophenol	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,4,6-Trichlorophenol	ND	0.0747	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,4-Dichlorophenol	ND	0.0996	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,4-Dimethylphenol	ND	0.0747	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,4-Dinitrophenol	ND	0.0623	0.822		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,4-Dinitrotoluene	ND	0.0747	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2,6-Dinitrotoluene	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2-Chloronaphthalene	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2-Chlorophenol	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2-Methylnaphthalene	ND	0.0249	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2-Methylphenol	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2-Nitroaniline	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
2-Nitrophenol	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
3,3'-Dichlorobenzidine	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
3-Nitroaniline	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0996	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Bromophenyl phenyl ether	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Chloro-3-methylphenol	ND	0.0747	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Chloroaniline	ND	0.0623	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Chlorophenyl phenyl ether	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Methylphenol	ND	0.125	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Nitroaniline	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
4-Nitrophenol	ND	0.174	0.822		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Acenaphthene	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Acenaphthylene	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Aniline	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Anthracene	ND	0.0249	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/04

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS1-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-01
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:30:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0249	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Benzo[a]pyrene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Benzo[b]fluoranthene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Benzo[g,h,i]perylene	ND	0.0747	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Benzo[k]fluoranthene	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Benzyl alcohol	ND	0.0498	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Bis(2-chloroethoxy)methane	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Bis(2-chloroethyl)ether	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Butyl benzyl phthalate	ND	0.125	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Carbazole	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Chrysene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Di-n-butyl phthalate	ND	0.125	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Di-n-octyl phthalate	ND	0.125	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Dibenz[a,h]anthracene	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Dibenzofuran	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Diethyl phthalate	ND	0.125	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Dimethyl phthalate	ND	0.125	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Fluoranthene	ND	0.0249	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Fluorene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Hexachlorobenzene	ND	0.0125	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Hexachlorobutadiene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Hexachlorocyclopentadiene	ND	0.0747	0.411		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Hexachloroethane	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Isophorone	ND	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
N-Nitrosodi-n-propylamine	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
N-Nitrosodiphenylamine	ND	0.0623	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Naphthalene	0.0498	0.0498	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Nitrobenzene	ND	0.0872	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Pentachlorophenol	ND	0.112	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Phenanthrene	ND	0.0374	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Phenol	ND	0.0747	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Pyrene	ND	0.0249	0.166		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Pyridine	ND	0.162	0.822		mg/Kg-dry	1	10/6/2006 8:20:00 PM
Surr: 2,4,6-Tribromophenol	59.0	0	45-138		%REC	1	10/6/2006 8:20:00 PM
Surr: 2-Fluorobiphenyl	83.8	0	60-135		%REC	1	10/6/2006 8:20:00 PM
Surr: 2-Fluorophenol	74.6	0	37-125		%REC	1	10/6/2006 8:20:00 PM
Surr: 4-Terphenyl-d14	91.3	0	60-129		%REC	1	10/6/2006 8:20:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS1-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-01
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:30:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	74.4	0	45-125		%REC	1	10/6/2006 8:20:00 PM
Surr: Phenol-d6	78.1	0	40-125		%REC	1	10/6/2006 8:20:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,1,1-Trichloroethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,1,2-Trichloroethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,1-Dichloroethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,1-Dichloroethene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,1-Dichloropropene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2,3-Trichlorobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2,3-Trichloropropane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2,4-Trichlorobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2,4-Trimethylbenzene	1.16	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2-Dibromo-3-chloropropane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2-Dibromoethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2-Dichlorobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2-Dichloroethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,2-Dichloropropane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,3,5-Trimethylbenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,3-Dichlorobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,3-Dichloropropane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
1,4-Dichlorobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
2,2-Dichloropropane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
2-Butanone	ND	4.66	14.0		µg/Kg-dry	1	10/12/2006 12:31:00 PM
2-Chloroethylvinylether	ND	4.66	14.0		µg/Kg-dry	1	10/12/2006 12:31:00 PM
2-Chlorotoluene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
2-Hexanone	ND	4.66	14.0		µg/Kg-dry	1	10/12/2006 12:31:00 PM
4-Chlorotoluene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
4-Methyl-2-pentanone	ND	4.66	14.0		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Acetone	53.7	14.0	46.6		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Benzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Bromobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Bromochloromethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Bromodichloromethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Bromoform	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Bromomethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Carbon disulfide	4.13	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Carbon tetrachloride	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/0

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS1-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-01
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:30:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Chloroethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Chloroform	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Chloromethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
cis-1,2-Dichloroethene	1.41	0.932	4.66	J	µg/Kg-dry	1	10/12/2006 12:31:00 PM
cis-1,3-Dichloropropene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Dibromochloromethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Dibromomethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Dichlorodifluoromethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Ethylbenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Hexachlorobutadiene	ND UJ	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Iodomethane	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Isopropylbenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
m,p-Xylene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Methyl tert-butyl ether	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Methylene chloride	8.58 J	4.66	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
n-Butylbenzene	ND UJ	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
n-Propylbenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Naphthalene	33.0	4.66	14.0		µg/Kg-dry	1	10/12/2006 12:31:00 PM
o-Xylene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
p-Isopropyltoluene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
sec-Butylbenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Styrene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
tert-Butylbenzene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Tetrachloroethene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Toluene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
trans-1,2-Dichloroethene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
trans-1,3-Dichloropropene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Trichloroethene	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Trichlorofluoromethane	ND	4.66	14.0		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Vinyl chloride	ND	0.932	4.66		µg/Kg-dry	1	10/12/2006 12:31:00 PM
Surr: 1,2-Dichloroethane-d4	102	0	78-125		%REC	1	10/12/2006 12:31:00 PM
Surr: 4-Bromofluorobenzene	93.5	0	82-125		%REC	1	10/12/2006 12:31:00 PM
Surr: Dibromofluoromethane	98.8	0	80-121		%REC	1	10/12/2006 12:31:00 PM
Surr: Toluene-d8	82.7	0	80-120		%REC	1	10/12/2006 12:31:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	20.6	0	0	N	WT%		10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/07

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS2-20-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-02
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:45:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	7.55	3.57	11.9	J	mg/Kg-dry	1	10/10/2006 8:52:49 PM
TPH-ORO >C28-C35	ND	3.57	11.9		mg/Kg-dry	1	10/10/2006 8:52:49 PM
Surr: o-Terphenyl	54.0	0	47-142		%REC	1	10/10/2006 8:52:49 PM
Surr: Octacosane	64.1	0	25-162		%REC	1	10/10/2006 8:52:49 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.133	0.442		mg/Kg-dry	1	10/11/2006 6:12:07 PM
Surr: Tetrachlorethene	93.3	0	70-134		%REC	1	10/11/2006 6:12:07 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0247	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
1,2-Dichlorobenzene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
1,3-Dichlorobenzene	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
1,4-Dichlorobenzene	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,4,5-Trichlorophenol	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,4,6-Trichlorophenol	ND	0.0742	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,4-Dichlorophenol	ND	0.0990	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,4-Dimethylphenol	ND	0.0742	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,4-Dinitrophenol	ND	0.0619	0.816		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,4-Dinitrotoluene	ND	0.0742	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2,6-Dinitrotoluene	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2-Chloronaphthalene	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2-Chlorophenol	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2-Methylnaphthalene	ND	0.0247	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2-Methylphenol	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2-Nitroaniline	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
2-Nitrophenol	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
3,3'-Dichlorobenzidine	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
3-Nitroaniline	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0990	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Bromophenyl phenyl ether	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Chloro-3-methylphenol	ND	0.0742	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Chloroaniline	ND	0.0619	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Chlorophenyl phenyl ether	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Methylphenol	ND	0.124	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Nitroaniline	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
4-Nitrophenol	ND	0.173	0.816		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Acenaphthene	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Acenaphthylene	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Aniline	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Anthracene	ND	0.0247	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

CLIENT:	Battelle	Client Sample ID:	SS2-20-100406
Project:	Gulfport GPT	Lab ID:	0610033-02
Project No:	G486352-05	Collection Date:	10/4/2006 10:45:00 AM
Lab Order:	0610033	Matrix:	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: DO
Benzo[a]anthracene	ND	0.0247	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Benzo[a]pyrene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Benzo[b]fluoranthene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Benzo[g,h,i]perylene	ND	0.0742	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Benzo[k]fluoranthene	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Benzyl alcohol	ND	0.0495	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Bis(2-chloroethoxy)methane	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Bis(2-chloroethyl)ether	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Butyl benzyl phthalate	ND	0.124	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Carbazole	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Chrysene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Di-n-butyl phthalate	ND	0.124	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Di-n-octyl phthalate	ND	0.124	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Dibenz[a,h]anthracene	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Dibenzofuran	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Diethyl phthalate	ND	0.124	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Dimethyl phthalate	ND	0.124	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Fluoranthene	ND	0.0247	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Fluorene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Hexachlorobenzene	ND	0.0124	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Hexachlorobutadiene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Hexachlorocyclopentadiene	ND	0.0742	0.408		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Hexachloroethane	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Isophorone	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
N-Nitrosodi-n-propylamine	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
N-Nitrosodiphenylamine	ND	0.0619	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Naphthalene	ND	0.0495	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Nitrobenzene	ND	0.0866	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Pentachlorophenol	ND	0.111	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Phenanthrene	ND	0.0371	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Phenol	ND	0.0742	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Pyrene	ND	0.0247	0.165		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Pyridine	ND	0.161	0.816		mg/Kg-dry	1	10/6/2006 7:08:00 PM
Surr: 2,4,6-Tribromophenol	78.1	0	45-138		%REC	1	10/6/2006 7:08:00 PM
Surr: 2-Fluorobiphenyl	67.7	0	60-135		%REC	1	10/6/2006 7:08:00 PM
Surr: 2-Fluorophenol	63.9	0	37-125		%REC	1	10/6/2006 7:08:00 PM
Surr: 4-Terphenyl-d14	87.6	0	60-129		%REC	1	10/6/2006 7:08:00 PM

Qualifiers:

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DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS2-20-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-02
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:45:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	62.9	0	45-125		%REC	1	10/6/2006 7:08:00 PM
Surr: Phenol-d6	68.7	0	40-125		%REC		10/6/2006 7:08:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,1,1-Trichloroethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,1,2,2-Tetrachloroethane	ND U5	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,1,2-Trichloroethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,1-Dichloroethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,1-Dichloroethene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,1-Dichloropropene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2,3-Trichlorobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2,3-Trichloropropane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2,4-Trichlorobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2,4-Trimethylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2-Dibromo-3-chloropropane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2-Dibromoethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2-Dichlorobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2-Dichloroethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,2-Dichloropropane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,3,5-Trimethylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,3-Dichlorobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,3-Dichloropropane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
1,4-Dichlorobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
2,2-Dichloropropane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
2-Butanone	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:19:00 PM
2-Chloroethylvinylether	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:19:00 PM
2-Chlorotoluene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
2-Hexanone	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:19:00 PM
4-Chlorotoluene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
4-Methyl-2-pentanone	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Acetone	ND	14.1	46.9		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Benzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Bromobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Bromochloromethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Bromodichloromethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Bromoform	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Bromomethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Carbon disulfide	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Carbon tetrachloride	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS2-20-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-02
Project No:	G486352-05	**Collection Date:**	10/4/2006 10:45:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Chloroethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Chloroform	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Chloromethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
cis-1,2-Dichloroethene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
cis-1,3-Dichloropropene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Dibromochloromethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Dibromomethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Dichlorodifluoromethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Ethylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Hexachlorobutadiene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Iodomethane	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Isopropylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
m,p-Xylene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Methyl tert-butyl ether	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Methylene chloride	12.2 J	4.69	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
n-Butylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
n-Propylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Naphthalene	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:19:00 PM
o-Xylene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
p-Isopropyltoluene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
sec-Butylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Styrene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
tert-Butylbenzene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Tetrachloroethene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Toluene	1.38	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
trans-1,2-Dichloroethene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
trans-1,3-Dichloropropene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Trichloroethene	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Trichlorofluoromethane	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Vinyl chloride	ND	0.937	4.69		µg/Kg-dry	1	10/10/2006 4:19:00 PM
Surr: 1,2-Dichloroethane-d4	91.2	0	78-125		%REC	1	10/10/2006 4:19:00 PM
Surr: 4-Bromofluorobenzene	88.5	0	82-125		%REC	1	10/10/2006 4:19:00 PM
Surr: Dibromofluoromethane	90.6	0	80-121		%REC	1	10/10/2006 4:19:00 PM
Surr: Toluene-d8	85.8	0	80-120		%REC	1	10/10/2006 4:19:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	20.1	0	0		WT%		10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS3-45-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-03
Project No:	G486352-05	**Collection Date:**	10/4/2006 11:40:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	8.54	3.66	12.2	J	mg/Kg-dry	1	10/10/2006 9:19:10 PM
TPH-ORO >C28-C35	5.05	3.66	12.2	J	mg/Kg-dry	1	10/10/2006 9:19:10 PM
Surr: o-Terphenyl	51.3	0	47-142		%REC	1	10/10/2006 9:19:10 PM
Surr: Octacosane	58.4	0	25-162		%REC	1	10/10/2006 9:19:10 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0577	0.192		mg/Kg-dry	1	10/11/2006 6:37:23 PM
Surr: Tetrachlorethene	94.5	0	70-134		%REC		10/11/2006 6:37:23 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0251	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
1,2-Dichlorobenzene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
1,3-Dichlorobenzene	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
1,4-Dichlorobenzene	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,4,5-Trichlorophenol	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,4,6-Trichlorophenol	ND	0.0753	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,4-Dichlorophenol	ND	0.100	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,4-Dimethylphenol	ND	0.0753	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,4-Dinitrophenol	ND	0.0628	0.829		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,4-Dinitrotoluene	ND	0.0753	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2,6-Dinitrotoluene	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2-Chloronaphthalene	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2-Chlorophenol	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2-Methylnaphthalene	ND	0.0251	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2-Methylphenol	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2-Nitroaniline	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
2-Nitrophenol	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
3,3´-Dichlorobenzidine	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
3-Nitroaniline	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4,6-Dinitro-2-methylphenol	ND	0.100	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Bromophenyl phenyl ether	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Chloro-3-methylphenol	ND	0.0753	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Chloroaniline	ND	0.0628	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Chlorophenyl phenyl ether	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Methylphenol	ND	0.126	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Nitroaniline	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
4-Nitrophenol	ND	0.176	0.829		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Acenaphthene	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Acenaphthylene	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Aniline	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Anthracene	ND	0.0251	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS3-45-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-03
Project No:	G486352-05	**Collection Date:**	10/4/2006 11:40:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0251	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Benzo[a]pyrene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Benzo[b]fluoranthene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Benzo[g,h,i]perylene	ND	0.0753	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Benzo[k]fluoranthene	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Benzyl alcohol	ND	0.0502	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Bis(2-chloroethoxy)methane	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Bis(2-chloroethyl)ether	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Butyl benzyl phthalate	ND	0.126	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Carbazole	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Chrysene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Di-n-butyl phthalate	ND	0.126	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Di-n-octyl phthalate	ND	0.126	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Dibenz[a,h]anthracene	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Dibenzofuran	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Diethyl phthalate	ND	0.126	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Dimethyl phthalate	ND	0.126	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Fluoranthene	ND	0.0251	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Fluorene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Hexachlorobenzene	ND	0.0126	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Hexachlorobutadiene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Hexachlorocyclopentadiene	ND	0.0753	0.414		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Hexachloroethane	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Isophorone	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
N-Nitrosodi-n-propylamine	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
N-Nitrosodiphenylamine	ND	0.0628	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Naphthalene	ND	0.0502	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Nitrobenzene	ND	0.0879	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Pentachlorophenol	ND	0.113	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Phenanthrene	ND	0.0377	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Phenol	ND	0.0753	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Pyrene	ND	0.0251	0.167		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Pyridine	ND	0.163	0.829		mg/Kg-dry	1	10/6/2006 9:29:00 PM
Surr: 2,4,6-Tribromophenol	83.6	0	45-138		%REC	1	10/6/2006 9:29:00 PM
Surr: 2-Fluorobiphenyl	78.9	0	60-135		%REC	1	10/6/2006 9:29:00 PM
Surr: 2-Fluorophenol	71.6	0	37-125		%REC	1	10/6/2006 9:29:00 PM
Surr: 4-Terphenyl-d14	81.8	0	60-129		%REC	1	10/6/2006 9:29:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS3-45-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-03
Project No:	G486352-05	**Collection Date:**	10/4/2006 11:40:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	71.1	0	45-125		%REC		10/6/2006 9:29:00 PM
Surr: Phenol-d6	75.1	0	40-125		%REC		10/6/2006 9:29:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,1,1-Trichloroethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,1,2-Trichloroethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,1-Dichloroethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,1-Dichloroethene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,1-Dichloropropene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2,3-Trichlorobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2,3-Trichloropropane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2,4-Trichlorobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2,4-Trimethylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2-Dibromo-3-chloropropane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2-Dibromoethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2-Dichlorobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2-Dichloroethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,2-Dichloropropane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,3,5-Trimethylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,3-Dichlorobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,3-Dichloropropane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
1,4-Dichlorobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
2,2-Dichloropropane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
2-Butanone	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:51:00 PM
2-Chloroethylvinylether	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:51:00 PM
2-Chlorotoluene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
2-Hexanone	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:51:00 PM
4-Chlorotoluene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
4-Methyl-2-pentanone	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Acetone	23.4	14.1	46.9	J	µg/Kg-dry	1	10/10/2006 4:51:00 PM
Benzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Bromobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Bromochloromethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Bromodichloromethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Bromoform	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Bromomethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Carbon disulfide	1.21	0.938	4.69	J	µg/Kg-dry	1	10/10/2006 4:51:00 PM
Carbon tetrachloride	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

5/13/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS3-45-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-03
Project No:	G486352-05	**Collection Date:**	10/4/2006 11:40:00 AM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Chloroethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Chloroform	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Chloromethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
cis-1,2-Dichloroethene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
cis-1,3-Dichloropropene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Dibromochloromethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Dibromomethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Dichlorodifluoromethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Ethylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Hexachlorobutadiene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Iodomethane	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Isopropylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
m,p-Xylene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Methyl tert-butyl ether	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Methylene chloride	10.7 J	4.69	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
n-Butylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
n-Propylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Naphthalene	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:51:00 PM
o-Xylene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
p-Isopropyltoluene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
sec-Butylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Styrene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
tert-Butylbenzene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Tetrachloroethene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Toluene	1.01	0.938	4.69	J	µg/Kg-dry	1	10/10/2006 4:51:00 PM
trans-1,2-Dichloroethene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
trans-1,3-Dichloropropene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Trichloroethene	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Trichlorofluoromethane	ND	4.69	14.1		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Vinyl chloride	ND	0.938	4.69		µg/Kg-dry	1	10/10/2006 4:51:00 PM
Surr: 1,2-Dichloroethane-d4	94.2	0	78-125		%REC	1	10/10/2006 4:51:00 PM
Surr: 4-Bromofluorobenzene	90.4	0	82-125		%REC	1	10/10/2006 4:51:00 PM
Surr: Dibromofluoromethane	92.8	0	80-121		%REC	1	10/10/2006 4:51:00 PM
Surr: Toluene-d8	85.0	0	80-120		%REC	1	10/10/2006 4:51:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	21.8	0	0	N	WT%		10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/07

CLIENT:	Battelle	**Client Sample ID:**	SS4-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-04
Project No:	G486352-05	**Collection Date:**	10/4/2006 1:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	395	3.36	11.2		mg/Kg-dry	1	10/11/2006 5:13:20 AM
TPH-ORO >C28-C35	112	3.36	11.2		mg/Kg-dry	1	10/11/2006 5:13:20 AM
Surr: o-Terphenyl	83.2	0	47-142		%REC	1	10/11/2006 5:13:20 AM
Surr: Octacosane	144	0	25-162		%REC	1	10/11/2006 5:13:20 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	0.114	0.0545	0.182	J	mg/Kg-dry	1	10/11/2006 7:00:38 PM
Surr: Tetrachlorethene	87.6	0	70-134		%REC	1	10/11/2006 7:00:38 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0229	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
1,2-Dichlorobenzene	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
1,3-Dichlorobenzene	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
1,4-Dichlorobenzene	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,4,5-Trichlorophenol	ND	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,4,6-Trichlorophenol	ND	0.0688	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,4-Dichlorophenol	ND	0.0918	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,4-Dimethylphenol	ND	0.0688	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,4-Dinitrophenol	ND	0.0574	0.757		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,4-Dinitrotoluene	ND	0.0688	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2,6-Dinitrotoluene	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2-Chloronaphthalene	ND UJ	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2-Chlorophenol	ND	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2-Methylnaphthalene	ND UJ	0.0229	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2-Methylphenol	ND	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2-Nitroaniline	ND UJ	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
2-Nitrophenol	ND	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
3,3'-Dichlorobenzidine	ND	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
3-Nitroaniline	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0918	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Bromophenyl phenyl ether	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Chloro-3-methylphenol	ND	0.0688	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Chloroaniline	ND	0.0574	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Chlorophenyl phenyl ether	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Methylphenol	ND	0.115	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Nitroaniline	ND	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
4-Nitrophenol	ND	0.161	0.757		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Acenaphthene	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Acenaphthylene	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Aniline	ND UJ	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Anthracene	ND	0.0229	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

6/13/07

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS4-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-04
Project No:	G486352-05	**Collection Date:**	10/4/2006 1:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0229	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Benzo[a]pyrene	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Benzo[b]fluoranthene	ND ~~UJ~~	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Benzo[g,h,i]perylene	ND	0.0688	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Benzo[k]fluoranthene	ND ~~UJ~~	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Benzyl alcohol	ND	0.0459	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Bis(2-chloroethoxy)methane	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Bis(2-chloroethyl)ether	ND UJ	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Butyl benzyl phthalate	ND	0.115	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Carbazole	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Chrysene	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Di-n-butyl phthalate	ND	0.115	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Di-n-octyl phthalate	ND UJ	0.115	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Dibenz[a,h]anthracene	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Dibenzofuran	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Diethyl phthalate	ND	0.115	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Dimethyl phthalate	ND	0.115	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Fluoranthene	ND	0.0229	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Fluorene	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Hexachlorobenzene	ND	0.0115	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Hexachlorobutadiene	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Hexachlorocyclopentadiene	ND UJ	0.0688	0.379		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Hexachloroethane	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Isophorone	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
N-Nitrosodi-n-propylamine	ND UJ	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
N-Nitrosodiphenylamine	ND	0.0574	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Naphthalene	ND	0.0459	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Nitrobenzene	ND UJ	0.0803	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Pentachlorophenol	ND	0.103	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Phenanthrene	ND	0.0344	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Phenol	ND	0.0688	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Pyrene	ND	0.0229	0.153		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Pyridine	ND	0.149	0.757		mg/Kg-dry	1	10/6/2006 10:04:00 PM
Surr: 2,4,6-Tribromophenol	85.3	0	45-138		%REC	1	10/6/2006 10:04:00 PM
Surr: 2-Fluorobiphenyl	78.6	0	60-135		%REC	1	10/6/2006 10:04:00 PM
Surr: 2-Fluorophenol	68.7	0	37-125		%REC	1	10/6/2006 10:04:00 PM
Surr: 4-Terphenyl-d14	81.3	0	60-129		%REC	1	10/6/2006 10:04:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

6/13/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS4-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-04
Project No:	G486352-05	**Collection Date:**	10/4/2006 1:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	71.1	0	45-125		%REC	1	10/6/2006 10:04:00 PM
Surr: Phenol-d6	70.9	0	40-125		%REC	1	10/6/2006 10:04:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,1,1-Trichloroethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,1,2-Trichloroethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,1-Dichloroethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,1-Dichloroethene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,1-Dichloropropene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2,3-Trichlorobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2,3-Trichloropropane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2,4-Trichlorobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2,4-Trimethylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2-Dibromo-3-chloropropane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2-Dibromoethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2-Dichlorobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2-Dichloroethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,2-Dichloropropane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,3,5-Trimethylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,3-Dichlorobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,3-Dichloropropane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
1,4-Dichlorobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
2,2-Dichloropropane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
2-Butanone	12.3	4.63	13.9	J	µg/Kg-dry	1	10/10/2006 5:22:00 PM
2-Chloroethylvinylether	ND	4.63	13.9		µg/Kg-dry	1	10/10/2006 5:22:00 PM
2-Chlorotoluene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
2-Hexanone	ND	4.63	13.9		µg/Kg-dry	1	10/10/2006 5:22:00 PM
4-Chlorotoluene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
4-Methyl-2-pentanone	ND	4.63	13.9		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Acetone	3020	1750	5840	J	µg/Kg-dry	100	10/12/2006 3:56:00 PM
Benzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Bromobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Bromochloromethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Bromodichloromethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Bromoform	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Bromomethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Carbon disulfide	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Carbon tetrachloride	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/13 KC

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS4-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-04
Project No:	G486352-05	**Collection Date:**	10/4/2006 1:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Chloroethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Chloroform	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Chloromethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
cis-1,2-Dichloroethene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
cis-1,3-Dichloropropene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Dibromochloromethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Dibromomethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Dichlorodifluoromethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Ethylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Hexachlorobutadiene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Iodomethane	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Isopropylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
m,p-Xylene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Methyl tert-butyl ether	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Methylene chloride	ND	4.63	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
n-Butylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
n-Propylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Naphthalene	ND	4.63	13.9		µg/Kg-dry	1	10/10/2006 5:22:00 PM
o-Xylene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
p-Isopropyltoluene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
sec-Butylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Styrene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
tert-Butylbenzene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Tetrachloroethene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Toluene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
trans-1,2-Dichloroethene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
trans-1,3-Dichloropropene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Trichloroethene	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Trichlorofluoromethane	ND	4.63	13.9		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Vinyl chloride	ND	0.926	4.63		µg/Kg-dry	1	10/10/2006 5:22:00 PM
Surr: 1,2-Dichloroethane-d4	99.5	0	78-125		%REC	1	10/10/2006 5:22:00 PM
Surr: 1,2-Dichloroethane-d4	90.3	0	78-125		%REC	100	10/12/2006 3:56:00 PM
Surr: 4-Bromofluorobenzene	111	0	82-125		%REC	1	10/10/2006 5:22:00 PM
Surr: 4-Bromofluorobenzene	85.8	0	82-125		%REC	100	10/12/2006 3:56:00 PM
Surr: Dibromofluoromethane	95.9	0	80-121		%REC	1	10/10/2006 5:22:00 PM
Surr: Dibromofluoromethane	92.3	0	80-121		%REC	100	10/12/2006 3:56:00 PM
Surr: Toluene-d8	87.7	0	80-120		%REC	1	10/10/2006 5:22:00 PM
Surr: Toluene-d8	82.5	0	80-120		%REC	100	10/12/2006 3:56:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS4-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-04
Project No:	G486352-05	**Collection Date:**	10/4/2006 1:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	14.3	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits

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DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS5-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-05
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:05:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	12900	68.3	228		mg/Kg-dry	20	10/11/2006 3:54:30 AM
TPH-ORO >C28-C35	1310	68.3	228		mg/Kg-dry	20	10/11/2006 3:54:30 AM
Surr: o-Terphenyl	775	0	47-142	S	%REC	20	10/11/2006 3:54:30 AM
Surr: Octacosane	768	0	25-162	S	%REC	20	10/11/2006 3:54:30 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	34.4	0.0500	0.167		mg/Kg-dry	1	10/12/2006 12:39:03 AM
Surr: Tetrachlorethene	88.5	0	70-134		%REC	1	10/12/2006 12:39:03 AM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND UJ	0.0235	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
1,2-Dichlorobenzene	ND	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
1,3-Dichlorobenzene	ND	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
1,4-Dichlorobenzene	ND	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,4,5-Trichlorophenol	ND	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,4,6-Trichlorophenol	ND	0.0705	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,4-Dichlorophenol	ND	0.0940	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,4-Dimethylphenol	ND	0.0705	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,4-Dinitrophenol	ND	0.0588	0.776		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,4-Dinitrotoluene	ND UJ	0.0705	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2,6-Dinitrotoluene	ND	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2-Chloronaphthalene	ND	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2-Chlorophenol	ND	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2-Methylnaphthalene	32.8 J	0.235	1.56		mg/Kg-dry	10	10/7/2006 2:02:00 AM
2-Methylphenol	ND	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2-Nitroaniline	ND UJ	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
2-Nitrophenol	ND	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
3,3'-Dichlorobenzidine	ND UJ	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
3-Nitroaniline	ND	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
4,6-Dinitro-2-methylphenol	ND	0.470	1.94		mg/Kg-dry	5	10/11/2006 12:50:00 AM
4-Bromophenyl phenyl ether	ND	0.176	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
4-Chloro-3-methylphenol	ND	0.0705	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
4-Chloroaniline	ND UJ	0.0588	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
4-Chlorophenyl phenyl ether	ND	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
4-Methylphenol	ND	0.118	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
4-Nitroaniline	ND UJ	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
4-Nitrophenol	ND	0.165	0.776		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Acenaphthene	ND UJ	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Acenaphthylene	ND	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Aniline	ND	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Anthracene	ND	0.118	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS5-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-05
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:05:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND UJ	0.0235	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Benzo[a]pyrene	ND	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Benzo[b]fluoranthene	ND	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Benzo[g,h,i]perylene	0.862	0.353	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Benzo[k]fluoranthene	ND UJ	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Benzyl alcohol	ND	0.0470	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Bis(2-chloroethoxy)methane	ND UJ	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Bis(2-chloroethyl)ether	ND	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Butyl benzyl phthalate	ND	0.118	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Carbazole	ND	0.235	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Chrysene	ND UJ	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Di-n-butyl phthalate	ND	0.588	1.94		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Di-n-octyl phthalate	ND UJ	0.118	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Dibenz[a,h]anthracene	ND	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Dibenzofuran	ND	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Diethyl phthalate	ND	0.118	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Dimethyl phthalate	ND	0.118	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Fluoranthene	0.744	0.118	0.781	J	mg/Kg-dry	5	10/11/2006 12:50:00 AM
Fluorene	5.13	0.176	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Hexachlorobenzene	ND	0.0588	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Hexachlorobutadiene	ND UJ	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Hexachlorocyclopentadiene	ND	0.0705	0.388		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Hexachloroethane	ND	0.0588	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Indeno[1,2,3-cd]pyrene	0.392	0.235	0.781	J	mg/Kg-dry	5	10/11/2006 12:50:00 AM
Isophorone	ND UJ	0.0470	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
N-Nitrosodi-n-propylamine	ND	0.0353	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
N-Nitrosodiphenylamine	ND	0.294	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Naphthalene	7.29	0.235	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Nitrobenzene	ND UJ	0.0823	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Pentachlorophenol	ND	0.529	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Phenanthrene	14.5	0.176	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Phenol	ND	0.0705	0.156		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Pyrene	1.18	0.118	0.781		mg/Kg-dry	5	10/11/2006 12:50:00 AM
Pyridine	ND UJ	0.153	0.776		mg/Kg-dry	1	10/6/2006 11:46:00 PM
Surr: 2,4,6-Tribromophenol	137	0	45-138		%REC	5	10/11/2006 12:50:00 AM
Surr: 2,4,6-Tribromophenol	55.5	0	45-138		%REC	1	10/6/2006 11:46:00 PM
Surr: 2,4,6-Tribromophenol	82.1	0	45-138		%REC	10	10/7/2006 2:02:00 AM
Surr: 2-Fluorobiphenyl	82.1	0	60-135		%REC	5	10/11/2006 12:50:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/28/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS5-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-05
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:05:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: 2-Fluorobiphenyl	47.3	0	60-135	S	%REC	10	10/7/2006 2:02:00 AM
Surr: 2-Fluorobiphenyl	76.1	0	60-135		%REC	1	10/6/2006 11:46:00 PM
Surr: 2-Fluorophenol	63.4	0	37-125		%REC	5	10/11/2006 12:50:00 AM
Surr: 2-Fluorophenol	61.4	0	37-125		%REC	1	10/6/2006 11:46:00 PM
Surr: 2-Fluorophenol	54.7	0	37-125		%REC	10	10/7/2006 2:02:00 AM
Surr: 4-Terphenyl-d14	104	0	60-129		%REC	5	10/11/2006 12:50:00 AM
Surr: 4-Terphenyl-d14	54.0	0	60-129	S	%REC	1	10/6/2006 11:46:00 PM
Surr: 4-Terphenyl-d14	59.7	0	60-129	S	%REC	10	10/7/2006 2:02:00 AM
Surr: Nitrobenzene-d5	135	0	45-125	S	%REC	1	10/6/2006 11:46:00 PM
Surr: Nitrobenzene-d5	69.7	0	45-125		%REC	10	10/7/2006 2:02:00 AM
Surr: Nitrobenzene-d5	88.3	0	45-125		%REC	5	10/11/2006 12:50:00 AM
Surr: Phenol-d6	52.2	0	40-125		%REC	10	10/7/2006 2:02:00 AM
Surr: Phenol-d6	61.2	0	40-125		%REC	1	10/6/2006 11:46:00 PM
Surr: Phenol-d6	67.2	0	40-125		%REC	5	10/11/2006 12:50:00 AM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,1,1-Trichloroethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,1,2-Trichloroethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,1-Dichloroethane	121 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,1-Dichloroethene	33.5 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,1-Dichloropropene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2,3-Trichlorobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2,3-Trichloropropane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2,4-Trichlorobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2,4-Trimethylbenzene	8150	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
1,2-Dibromo-3-chloropropane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2-Dibromoethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2-Dichlorobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2-Dichloroethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,2-Dichloropropane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,3,5-Trimethylbenzene	2960	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
1,3-Dichlorobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,3-Dichloropropane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
1,4-Dichlorobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
2,2-Dichloropropane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
2-Butanone	ND	8.77	26.3		µg/Kg-dry	1	10/10/2006 2:44:00 PM
2-Chloroethylvinylether	ND	8.77	26.3		µg/Kg-dry	1	10/10/2006 2:44:00 PM
2-Chlorotoluene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS5-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-05
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:05:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
2-Hexanone	ND	8.77	26.3		µg/Kg-dry	1	10/10/2006 2:44:00 PM
4-Chlorotoluene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
4-Methyl-2-pentanone	ND	8.77	26.3		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Acetone	317 J	26.3	87.7		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Benzene	19.8 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Bromobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Bromochloromethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Bromodichloromethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Bromoform	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Bromomethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Carbon disulfide	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Carbon tetrachloride	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Chlorobenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Chloroethane	42.2 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Chloroform	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Chloromethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
cis-1,2-Dichloroethene	13.6 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
cis-1,3-Dichloropropene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Dibromochloromethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Dibromomethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Dichlorodifluoromethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Ethylbenzene	315 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Hexachlorobutadiene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Iodomethane	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Isopropylbenzene	75.8 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
m,p-Xylene	3020	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
Methyl tert-butyl ether	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Methylene chloride	27.3 J	8.77	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
n-Butylbenzene	645	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
n-Propylbenzene	714	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
Naphthalene	4200	298	895		µg/Kg-dry	50	10/12/2006 2:42:00 PM
o-Xylene	1050	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
p-Isopropyltoluene	481	59.7	298		µg/Kg-dry	50	10/12/2006 2:42:00 PM
sec-Butylbenzene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Styrene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
tert-Butylbenzene	125	59.7	298	J	µg/Kg-dry	50	10/12/2006 2:42:00 PM
Tetrachloroethene	55.9 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Toluene	199 J	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
trans-1,2-Dichloroethene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
trans-1,3-Dichloropropene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS5-10-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-05
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:05:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Trichloroethene	ND	1.75	8.77		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Trichlorofluoromethane	ND	8.77	26.3		µg/Kg-dry	1	10/10/2006 2:44:00 PM
Vinyl chloride	3.04	1.75	8.77	J	µg/Kg-dry	1	10/10/2006 2:44:00 PM
Surr: 1,2-Dichloroethane-d4	93.1	0	78-125		%REC	50	10/12/2006 2:42:00 PM
Surr: 1,2-Dichloroethane-d4	105	0	78-125		%REC	1	10/10/2006 2:44:00 PM
Surr: 4-Bromofluorobenzene	92.8	0	82-125		%REC	50	10/12/2006 2:42:00 PM
Surr: 4-Bromofluorobenzene	206	0	82-125	S	%REC	1	10/10/2006 2:44:00 PM
Surr: Dibromofluoromethane	93.1	0	80-121		%REC	50	10/12/2006 2:42:00 PM
Surr: Dibromofluoromethane	94.8	0	80-121		%REC	1	10/10/2006 2:44:00 PM
Surr: Toluene-d8	89.0	0	80-120		%REC	1	10/10/2006 2:44:00 PM
Surr: Toluene-d8	80.6	0	80-120		%REC	50	10/12/2006 2:42:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	16.2	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS6-25-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-06
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:35:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	14.6	3.60	12.0		mg/Kg-dry	1	10/10/2006 9:46:00 PM
TPH-ORO >C28-C35	ND	3.60	12.0		mg/Kg-dry	1	10/10/2006 9:46:00 PM
Surr: o-Terphenyl	56.5	0	47-142		%REC	1	10/10/2006 9:46:00 PM
Surr: Octacosane	59.4	0	25-162		%REC	1	10/10/2006 9:46:00 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	0.672	0.0552	0.184		mg/Kg-dry	1	10/11/2006 7:24:20 PM
Surr: Tetrachlorethene	94.6	0	70-134		%REC	1	10/11/2006 7:24:20 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0244	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
1,2-Dichlorobenzene	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
1,3-Dichlorobenzene	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
1,4-Dichlorobenzene	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,4,5-Trichlorophenol	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,4,6-Trichlorophenol	ND	0.0731	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,4-Dichlorophenol	ND	0.0975	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,4-Dimethylphenol	ND	0.0731	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,4-Dinitrophenol	ND	0.0609	0.804		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,4-Dinitrotoluene	ND	0.0731	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2,6-Dinitrotoluene	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2-Chloronaphthalene	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2-Chlorophenol	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2-Methylnaphthalene	0.0244	0.0244	0.162	J	mg/Kg-dry	1	10/6/2006 6:30:00 PM
2-Methylphenol	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2-Nitroaniline	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
2-Nitrophenol	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
3,3´-Dichlorobenzidine	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
3-Nitroaniline	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0975	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Bromophenyl phenyl ether	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Chloro-3-methylphenol	ND	0.0731	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Chloroaniline	ND	0.0609	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Chlorophenyl phenyl ether	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Methylphenol	ND	0.122	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Nitroaniline	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
4-Nitrophenol	ND	0.171	0.804		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Acenaphthene	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Acenaphthylene	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Aniline	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Anthracene	ND	0.0244	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS6-25-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-06
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:35:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0244	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Benzo[a]pyrene	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Benzo[b]fluoranthene	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Benzo[g,h,i]perylene	ND	0.0731	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Benzo[k]fluoranthene	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Benzyl alcohol	ND	0.0487	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Bis(2-chloroethoxy)methane	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Bis(2-chloroethyl)ether	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Butyl benzyl phthalate	ND	0.122	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Carbazole	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Chrysene	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Di-n-butyl phthalate	ND	0.122	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Di-n-octyl phthalate	ND	0.122	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Dibenz[a,h]anthracene	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Dibenzofuran	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Diethyl phthalate	ND	0.122	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Dimethyl phthalate	ND	0.122	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Fluoranthene	ND	0.0244	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Fluorene	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Hexachlorobenzene	ND	0.0122	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Hexachlorobutadiene	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Hexachlorocyclopentadiene	ND	0.0731	0.402		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Hexachloroethane	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Isophorone	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
N-Nitrosodi-n-propylamine	ND	0.0365	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
N-Nitrosodiphenylamine	ND	0.0609	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Naphthalene	ND	0.0487	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Nitrobenzene	ND	0.0853	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Pentachlorophenol	ND	0.110	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Phenanthrene	0.0487	0.0365	0.162	J	mg/Kg-dry	1	10/6/2006 6:30:00 PM
Phenol	ND	0.0731	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Pyrene	ND	0.0244	0.162		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Pyridine	ND	0.158	0.804		mg/Kg-dry	1	10/6/2006 6:30:00 PM
Surr: 2,4,6-Tribromophenol	69.2	0	45-138		%REC	1	10/6/2006 6:30:00 PM
Surr: 2-Fluorobiphenyl	67.7	0	60-135		%REC	1	10/6/2006 6:30:00 PM
Surr: 2-Fluorophenol	60.4	0	37-125		%REC	1	10/6/2006 6:30:00 PM
Surr: 4-Terphenyl-d14	69.4	0	60-129		%REC	1	10/6/2006 6:30:00 PM

Qualifiers:

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DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS6-25-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-06
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:35:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	60.4	0	45-125		%REC	1	10/6/2006 6:30:00 PM
Surr: Phenol-d6	63.4	0	40-125		%REC	1	10/6/2006 6:30:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,1,1-Trichloroethane	3.52	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,1,2-Trichloroethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,1-Dichloroethane	39.3	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,1-Dichloroethene	10.7	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,1-Dichloropropene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2,3-Trichlorobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2,3-Trichloropropane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2,4-Trichlorobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2,4-Trimethylbenzene	46.9	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2-Dibromo-3-chloropropane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2-Dibromoethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2-Dichlorobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2-Dichloroethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,2-Dichloropropane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,3,5-Trimethylbenzene	19.7	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,3-Dichlorobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,3-Dichloropropane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
1,4-Dichlorobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
2,2-Dichloropropane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
2-Butanone	ND	4.83	14.5		µg/Kg-dry	1	10/10/2006 5:54:00 PM
2-Chloroethylvinylether	ND	4.83	14.5		µg/Kg-dry	1	10/10/2006 5:54:00 PM
2-Chlorotoluene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
2-Hexanone	ND	4.83	14.5		µg/Kg-dry	1	10/10/2006 5:54:00 PM
4-Chlorotoluene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
4-Methyl-2-pentanone	ND	4.83	14.5		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Acetone	36.6	14.5	48.3	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
Benzene	1.36	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
Bromobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Bromochloromethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Bromodichloromethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Bromoform	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Bromomethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Carbon disulfide	2.21	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
Carbon tetrachloride	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM

Qualifiers:

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DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS6-25-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-06
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:35:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Chloroethane	14.9	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Chloroform	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Chloromethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
cis-1,2-Dichloroethene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
cis-1,3-Dichloropropene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Dibromochloromethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Dibromomethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Dichlorodifluoromethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Ethylbenzene	3.77	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
Hexachlorobutadiene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Iodomethane	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Isopropylbenzene	1.18	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
m,p-Xylene	17.6	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Methyl tert-butyl ether	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Methylene chloride	15.2 J	4.83	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
n-Butylbenzene	3.11	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
n-Propylbenzene	3.60	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
Naphthalene	34.4	4.83	14.5		µg/Kg-dry	1	10/10/2006 5:54:00 PM
o-Xylene	8.97	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
p-Isopropyltoluene	2.62	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
sec-Butylbenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Styrene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
tert-Butylbenzene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Tetrachloroethene	1.77	0.965	4.83	J	µg/Kg-dry	1	10/10/2006 5:54:00 PM
Toluene	14.1	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
trans-1,2-Dichloroethene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
trans-1,3-Dichloropropene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Trichloroethene	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Trichlorofluoromethane	ND	4.83	14.5		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Vinyl chloride	ND	0.965	4.83		µg/Kg-dry	1	10/10/2006 5:54:00 PM
Surr: 1,2-Dichloroethane-d4	96.8	0	78-125		%REC	1	10/10/2006 5:54:00 PM
Surr: 4-Bromofluorobenzene	93.0	0	82-125		%REC	1	10/10/2006 5:54:00 PM
Surr: Dibromofluoromethane	92.3	0	80-121		%REC	1	10/10/2006 5:54:00 PM
Surr: Toluene-d8	85.1	0	80-120		%REC	1	10/10/2006 5:54:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	19.7	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS7-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-07
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:45:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	1240	17.3	57.5		mg/Kg-dry	5	10/16/2006 3:27:23 PM
TPH-ORO >C28-C35	147 J	3.45	11.5		mg/Kg-dry	1	10/11/2006 2:08:52 AM
Surr: o-Terphenyl	147	0	47-142	S	%REC	5	10/16/2006 3:27:23 PM
Surr: o-Terphenyl	159	0	47-142	S	%REC	1	10/11/2006 2:08:52 AM
Surr: Octacosane	74.0	0	25-162		%REC	5	10/16/2006 3:27:23 PM
Surr: Octacosane	114	0	25-162		%REC	1	10/11/2006 2:08:52 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	0.424	0.0550	0.183		mg/Kg-dry	1	10/12/2006 12:58:09 PM
Surr: Tetrachlorethene	71.6	0	70-134		%REC	1	10/12/2006 12:58:09 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0239	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
1,2-Dichlorobenzene	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
1,3-Dichlorobenzene	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
1,4-Dichlorobenzene	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,4,5-Trichlorophenol	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,4,6-Trichlorophenol	ND	0.0718	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,4-Dichlorophenol	ND	0.0957	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,4-Dimethylphenol	ND	0.0718	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,4-Dinitrophenol	ND	0.0598	0.790		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,4-Dinitrotoluene	ND	0.0718	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2,6-Dinitrotoluene	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2-Chloronaphthalene	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2-Chlorophenol	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2-Methylnaphthalene	0.901	0.0239	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2-Methylphenol	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2-Nitroaniline	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
2-Nitrophenol	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
3,3´-Dichlorobenzidine	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
3-Nitroaniline	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0957	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Bromophenyl phenyl ether	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Chloro-3-methylphenol	ND	0.0718	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Chloroaniline	ND	0.0598	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Chlorophenyl phenyl ether	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Methylphenol	ND	0.120	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Nitroaniline	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
4-Nitrophenol	ND	0.167	0.790		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Acenaphthene	0.502	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Acenaphthylene	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS7-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-07
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:45:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Aniline	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Anthracene	ND	0.0239	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Benzo[a]anthracene	ND	0.0239	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Benzo[a]pyrene	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Benzo[b]fluoranthene	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Benzo[g,h,i]perylene	ND	0.0718	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Benzo[k]fluoranthene	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Benzyl alcohol	ND	0.0479	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Bis(2-chloroethoxy)methane	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Bis(2-chloroethyl)ether	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Bis(2-ethylhexyl)phthalate	0.287	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Butyl benzyl phthalate	ND	0.120	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Carbazole	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Chrysene	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Di-n-butyl phthalate	ND	0.120	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Di-n-octyl phthalate	ND	0.120	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Dibenz[a,h]anthracene	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Dibenzofuran	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Diethyl phthalate	ND	0.120	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Dimethyl phthalate	ND	0.120	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Fluoranthene	ND	0.0239	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Fluorene	0.582	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Hexachlorobenzene	ND	0.0120	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Hexachlorobutadiene	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Hexachlorocyclopentadiene	ND	0.0718	0.395		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Hexachloroethane	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Isophorone	ND	0.0479	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
N-Nitrosodi-n-propylamine	ND	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
N-Nitrosodiphenylamine	ND	0.0598	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Naphthalene	0.0957	0.0479	0.159	J	mg/Kg-dry	1	10/6/2006 10:38:00 PM
Nitrobenzene	ND	0.0837	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Pentachlorophenol	ND	0.108	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Phenanthrene	1.88	0.0359	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Phenol	ND	0.0718	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Pyrene	0.183	0.0239	0.159		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Pyridine	ND	0.156	0.790		mg/Kg-dry	1	10/6/2006 10:38:00 PM
Surr: 2,4,6-Tribromophenol	115	0	45-138		%REC	1	10/6/2006 10:38:00 PM
Surr: 2-Fluorobiphenyl	69.9	0	60-135		%REC	1	10/6/2006 10:38:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/07

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS7-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-07
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:45:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: 2-Fluorophenol	66.2	0	37-125		%REC	1	10/6/2006 10:38:00 PM
Surr: 4-Terphenyl-d14	73.1	0	60-129		%REC	1	10/6/2006 10:38:00 PM
Surr: Nitrobenzene-d5	70.6	0	45-125		%REC	1	10/6/2006 10:38:00 PM
Surr: Phenol-d6	67.4	0	40-125		%REC	1	10/6/2006 10:38:00 PM
3260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,1,1-Trichloroethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,1,2-Trichloroethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,1-Dichloroethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,1-Dichloroethene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,1-Dichloropropene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2,3-Trichlorobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2,3-Trichloropropane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2,4-Trichlorobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2,4-Trimethylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2-Dibromo-3-chloropropane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2-Dibromoethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2-Dichlorobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2-Dichloroethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,2-Dichloropropane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,3,5-Trimethylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,3-Dichlorobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,3-Dichloropropane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
1,4-Dichlorobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
2,2-Dichloropropane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
2-Butanone	ND	4.62	13.9		µg/Kg-dry	1	10/10/2006 6:26:00 PM
2-Chloroethylvinylether	ND	4.62	13.9		µg/Kg-dry	1	10/10/2006 6:26:00 PM
2-Chlorotoluene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
-Hexanone	ND	4.62	13.9		µg/Kg-dry	1	10/10/2006 6:26:00 PM
-Chlorotoluene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
-Methyl-2-pentanone	ND	4.62	13.9		µg/Kg-dry	1	10/10/2006 6:26:00 PM
cetone	35.0	13.9	46.2	J	µg/Kg-dry	1	10/10/2006 6:26:00 PM
enzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
omobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
omochloromethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
omodichloromethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
omoform	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
omomethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM

ifiers:	B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS7-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-07
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:45:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Carbon disulfide	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Carbon tetrachloride	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Chlorobenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Chloroethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Chloroform	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Chloromethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
cis-1,2-Dichloroethene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
cis-1,3-Dichloropropene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Dibromochloromethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Dibromomethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Dichlorodifluoromethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Ethylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Hexachlorobutadiene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Iodomethane	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Isopropylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
m,p-Xylene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Methyl tert-butyl ether	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Methylene chloride	8.43 J	4.62	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
n-Butylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
n-Propylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Naphthalene	ND	4.62	13.9		µg/Kg-dry	1	10/10/2006 6:26:00 PM
o-Xylene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
p-Isopropyltoluene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
sec-Butylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Styrene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
tert-Butylbenzene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Tetrachloroethene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Toluene	1.85	0.925	4.62	J	µg/Kg-dry	1	10/10/2006 6:26:00 PM
trans-1,2-Dichloroethene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
trans-1,3-Dichloropropene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Trichloroethene	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Trichlorofluoromethane	ND	4.62	13.9		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Vinyl chloride	ND	0.925	4.62		µg/Kg-dry	1	10/10/2006 6:26:00 PM
Surr: 1,2-Dichloroethane-d4	91.5	0	78-125		%REC	1	10/10/2006 6:26:00 PM
Surr: 4-Bromofluorobenzene	96.9	0	82-125		%REC	1	10/10/2006 6:26:00 PM
Surr: Dibromofluoromethane	90.9	0	80-121		%REC	1	10/10/2006 6:26:00 PM
Surr: Toluene-d8	85.5	0	80-120		%REC	1	10/10/2006 6:26:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	17.8	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/10

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS8-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-08
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	22.6	3.24	10.8		mg/Kg-dry	1	10/11/2006 1:42:46 AM
TPH-ORO >C28-C35	4.57	3.24	10.8	J	mg/Kg-dry	1	10/11/2006 1:42:46 AM
Surr: o-Terphenyl	59.8	0	47-142		%REC	1	10/11/2006 1:42:46 AM
Surr: Octacosane	65.7	0	25-162		%REC	1	10/11/2006 1:42:46 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.113	0.376		mg/Kg-dry	1	10/11/2006 7:49:21 PM
Surr: Tetrachlorethene	83.0	0	70-134		%REC	1	10/11/2006 7:49:21 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0222	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
1,2-Dichlorobenzene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
1,3-Dichlorobenzene	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
1,4-Dichlorobenzene	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,4,5-Trichlorophenol	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,4,6-Trichlorophenol	ND	0.0665	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,4-Dichlorophenol	ND	0.0887	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,4-Dimethylphenol	ND	0.0665	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,4-Dinitrophenol	ND	0.0554	0.732		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,4-Dinitrotoluene	ND	0.0665	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2,6-Dinitrotoluene	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2-Chloronaphthalene	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2-Chlorophenol	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2-Methylnaphthalene	ND	0.0222	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2-Methylphenol	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2-Nitroaniline	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
2-Nitrophenol	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
3,3′-Dichlorobenzidine	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
3-Nitroaniline	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0887	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Bromophenyl phenyl ether	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Chloro-3-methylphenol	ND	0.0665	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Chloroaniline	ND	0.0554	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Chlorophenyl phenyl ether	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Methylphenol	ND	0.111	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Nitroaniline	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
4-Nitrophenol	ND	0.155	0.732		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Acenaphthene	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Acenaphthylene	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Aniline	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Anthracene	ND	0.0222	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS8-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-08
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0222	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Benzo[a]pyrene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Benzo[b]fluoranthene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Benzo[g,h,i]perylene	ND	0.0665	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Benzo[k]fluoranthene	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Benzyl alcohol	ND	0.0443	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Bis(2-chloroethoxy)methane	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Bis(2-chloroethyl)ether	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Butyl benzyl phthalate	ND	0.111	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Carbazole	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Chrysene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Di-n-butyl phthalate	ND	0.111	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Di-n-octyl phthalate	ND	0.111	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Dibenz[a,h]anthracene	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Dibenzofuran	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Diethyl phthalate	ND	0.111	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Dimethyl phthalate	ND	0.111	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Fluoranthene	ND	0.0222	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Fluorene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Hexachlorobenzene	ND	0.0111	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Hexachlorobutadiene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Hexachlorocyclopentadiene	ND	0.0665	0.366		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Hexachloroethane	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Isophorone	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
N-Nitrosodi-n-propylamine	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
N-Nitrosodiphenylamine	ND	0.0554	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Naphthalene	ND	0.0443	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Nitrobenzene	ND	0.0776	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Pentachlorophenol	ND	0.0998	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Phenanthrene	ND	0.0333	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Phenol	ND	0.0665	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Pyrene	ND	0.0222	0.147		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Pyridine	ND	0.144	0.732		mg/Kg-dry	1	10/6/2006 8:55:00 PM
Surr: 2,4,6-Tribromophenol	89.1	0	45-138		%REC	1	10/6/2006 8:55:00 PM
Surr: 2-Fluorobiphenyl	76.1	0	60-135		%REC	1	10/6/2006 8:55:00 PM
Surr: 2-Fluorophenol	69.7	0	37-125		%REC	1	10/6/2006 8:55:00 PM
Surr: 4-Terphenyl-d14	82.3	0	60-129		%REC	1	10/6/2006 8:55:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS8-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-08
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	67.9	0	45-125		%REC	1	10/6/2006 8:55:00 PM
Surr: Phenol-d6	72.9	0	40-125		%REC	1	10/6/2006 8:55:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,1,1-Trichloroethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,1,2-Trichloroethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,1-Dichloroethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,1-Dichloroethene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,1-Dichloropropene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2,3-Trichlorobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2,3-Trichloropropane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2,4-Trichlorobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2,4-Trimethylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2-Dibromo-3-chloropropane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2-Dibromoethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2-Dichlorobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2-Dichloroethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,2-Dichloropropane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,3,5-Trimethylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,3-Dichlorobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,3-Dichloropropane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
1,4-Dichlorobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
2,2-Dichloropropane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
2-Butanone	ND	4.12	12.4		µg/Kg-dry	1	10/10/2006 6:57:00 PM
2-Chloroethylvinylether	ND	4.12	12.4		µg/Kg-dry	1	10/10/2006 6:57:00 PM
2-Chlorotoluene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
2-Hexanone	ND	4.12	12.4		µg/Kg-dry	1	10/10/2006 6:57:00 PM
4-Chlorotoluene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
4-Methyl-2-pentanone	ND	4.12	12.4		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Acetone	ND	12.4	41.2		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Benzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Bromobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Bromochloromethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Bromodichloromethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Bromoform	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Bromomethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Carbon disulfide	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Carbon tetrachloride	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS8-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-08
Project No:	G486352-05	**Collection Date:**	10/4/2006 2:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Chloroethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Chloroform	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Chloromethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
cis-1,2-Dichloroethene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
cis-1,3-Dichloropropene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Dibromochloromethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Dibromomethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Dichlorodifluoromethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Ethylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Hexachlorobutadiene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Iodomethane	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Isopropylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
m,p-Xylene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Methyl tert-butyl ether	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Methylene chloride	9.27 J	4.12	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
n-Butylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
n-Propylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Naphthalene	ND	4.12	12.4		µg/Kg-dry	1	10/10/2006 6:57:00 PM
o-Xylene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
p-Isopropyltoluene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
sec-Butylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Styrene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
tert-Butylbenzene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Tetrachloroethene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Toluene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
trans-1,2-Dichloroethene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
trans-1,3-Dichloropropene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Trichloroethene	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Trichlorofluoromethane	ND	4.12	12.4		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Vinyl chloride	ND	0.824	4.12		µg/Kg-dry	1	10/10/2006 6:57:00 PM
Surr: 1,2-Dichloroethane-d4	94.3	0	78-125		%REC	1	10/10/2006 6:57:00 PM
Surr: 4-Bromofluorobenzene	115	0	82-125		%REC	1	10/10/2006 6:57:00 PM
Surr: Dibromofluoromethane	94.0	0	80-121		%REC	1	10/10/2006 6:57:00 PM
Surr: Toluene-d8	92.6	0	80-120		%REC	1	10/10/2006 6:57:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	11.3	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS9-6-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-09
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:00:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	1150	68.0	227		mg/Kg-dry	20	10/11/2006 3:02:05 AM
TPH-ORO >C28-C35	32.0	3.40	11.3		mg/Kg-dry	1	10/11/2006 4:47:12 AM
Surr: o-Terphenyl	139	0	47-142		%REC	1	10/11/2006 4:47:12 AM
Surr: o-Terphenyl	230	0	47-142	S	%REC	20	10/11/2006 3:02:05 AM
Surr: Octacosane	64.6	0	25-162		%REC	1	10/11/2006 4:47:12 AM
Surr: Octacosane	136	0	25-162		%REC	20	10/11/2006 3:02:05 AM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0494	0.165		mg/Kg-dry	1	10/11/2006 8:12:24 PM
Surr: Tetrachlorethene	72.6	0	70-134		%REC	1	10/11/2006 8:12:24 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0232	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
1,2-Dichlorobenzene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
1,3-Dichlorobenzene	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
1,4-Dichlorobenzene	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,4,5-Trichlorophenol	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,4,6-Trichlorophenol	ND	0.0695	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,4-Dichlorophenol	ND	0.0926	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,4-Dimethylphenol	ND	0.0695	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,4-Dinitrophenol	ND	0.0579	0.764		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,4-Dinitrotoluene	ND	0.0695	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2,6-Dinitrotoluene	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2-Chloronaphthalene	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2-Chlorophenol	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2-Methylnaphthalene	ND	0.0232	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2-Methylphenol	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2-Nitroaniline	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
2-Nitrophenol	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
3,3´-Dichlorobenzidine	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
3-Nitroaniline	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0926	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Bromophenyl phenyl ether	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Chloro-3-methylphenol	ND	0.0695	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Chloroaniline	ND	0.0579	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Chlorophenyl phenyl ether	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Methylphenol	ND	0.116	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Nitroaniline	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
4-Nitrophenol	ND	0.162	0.764		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Acenaphthene	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Acenaphthylene	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS9-6-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-09
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:00:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Aniline	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Anthracene	0.0849	0.0232	0.154	J	mg/Kg-dry	1	10/6/2006 11:12:00 PM
Benzo[a]anthracene	ND	0.0232	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Benzo[a]pyrene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Benzo[b]fluoranthene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Benzo[g,h,i]perylene	ND	0.0695	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Benzo[k]fluoranthene	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Benzyl alcohol	ND	0.0463	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Bis(2-chloroethoxy)methane	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Bis(2-chloroethyl)ether	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Butyl benzyl phthalate	ND	0.116	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Carbazole	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Chrysene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Di-n-butyl phthalate	ND	0.116	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Di-n-octyl phthalate	ND	0.116	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Dibenz[a,h]anthracene	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Dibenzofuran	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Diethyl phthalate	ND	0.116	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Dimethyl phthalate	ND	0.116	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Fluoranthene	ND	0.0232	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Fluorene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Hexachlorobenzene	ND	0.0116	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Hexachlorobutadiene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Hexachlorocyclopentadiene	ND	0.0695	0.382		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Hexachloroethane	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Isophorone	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
N-Nitrosodi-n-propylamine	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
N-Nitrosodiphenylamine	ND	0.0579	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Naphthalene	ND	0.0463	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Nitrobenzene	ND	0.0810	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Pentachlorophenol	ND	0.104	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Phenanthrene	ND	0.0347	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Phenol	ND	0.0695	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Pyrene	ND	0.0232	0.154		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Pyridine	ND	0.151	0.764		mg/Kg-dry	1	10/6/2006 11:12:00 PM
Surr: 2,4,6-Tribromophenol	100	0	45-138		%REC	1	10/6/2006 11:12:00 PM
Surr: 2-Fluorobiphenyl	63.2	0	60-135		%REC	1	10/6/2006 11:12:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS9-6-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-09
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:00:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: 2-Fluorophenol	57.7	0	37-125		%REC	1	10/6/2006 11:12:00 PM
Surr: 4-Terphenyl-d14	74.4	0	60-129		%REC	1	10/6/2006 11:12:00 PM
Surr: Nitrobenzene-d5	63.7	0	45-125		%REC	1	10/6/2006 11:12:00 PM
Surr: Phenol-d6	60.7	0	40-125		%REC	1	10/6/2006 11:12:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,1,1-Trichloroethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,1,2-Trichloroethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,1-Dichloroethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,1-Dichloroethene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,1-Dichloropropene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2,3-Trichlorobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2,3-Trichloropropane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2,4-Trichlorobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2,4-Trimethylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2-Dibromo-3-chloropropane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2-Dibromoethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2-Dichlorobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2-Dichloroethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,2-Dichloropropane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,3,5-Trimethylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,3-Dichlorobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,3-Dichloropropane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
1,4-Dichlorobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
2,2-Dichloropropane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
2-Butanone	ND	4.16	12.5		µg/Kg-dry	1	10/10/2006 7:29:00 PM
2-Chloroethylvinylether	ND	4.16	12.5		µg/Kg-dry	1	10/10/2006 7:29:00 PM
2-Chlorotoluene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
2-Hexanone	ND	4.16	12.5		µg/Kg-dry	1	10/10/2006 7:29:00 PM
4-Chlorotoluene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
4-Methyl-2-pentanone	ND	4.16	12.5		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Acetone	ND	12.5	41.6		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Benzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Bromobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Bromochloromethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Bromodichloromethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Bromoform	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Bromomethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/07

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS9-6-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-09
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:00:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Carbon disulfide	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Carbon tetrachloride	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Chlorobenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Chloroethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Chloroform	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Chloromethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
cis-1,2-Dichloroethene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
cis-1,3-Dichloropropene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Dibromochloromethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Dibromomethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Dichlorodifluoromethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Ethylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Hexachlorobutadiene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Iodomethane	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Isopropylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
m,p-Xylene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Methyl tert-butyl ether	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Methylene chloride	9.16 J	4.16	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
n-Butylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
n-Propylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Naphthalene	ND	4.16	12.5		µg/Kg-dry	1	10/10/2006 7:29:00 PM
o-Xylene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
p-Isopropyltoluene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
sec-Butylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Styrene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
tert-Butylbenzene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Tetrachloroethene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Toluene	1.56	0.833	4.16	J	µg/Kg-dry	1	10/10/2006 7:29:00 PM
trans-1,2-Dichloroethene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
trans-1,3-Dichloropropene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Trichloroethene	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Trichlorofluoromethane	ND	4.16	12.5		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Vinyl chloride	ND	0.833	4.16		µg/Kg-dry	1	10/10/2006 7:29:00 PM
Surr: 1,2-Dichloroethane-d4	92.7	0	78-125		%REC	1	10/10/2006 7:29:00 PM
Surr: 4-Bromofluorobenzene	117	0	82-125		%REC	1	10/10/2006 7:29:00 PM
Surr: Dibromofluoromethane	95.3	0	80-121		%REC	1	10/10/2006 7:29:00 PM
Surr: Toluene-d8	88.4	0	80-120		%REC	1	10/10/2006 7:29:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	15.2	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/07

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS10-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-10
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:15:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	10.5	3.35	11.2	J	mg/Kg-dry	1	10/10/2006 10:12:24 PM
TPH-ORO >C28-C35	4.60	3.35	11.2	J	mg/Kg-dry	1	10/10/2006 10:12:24 PM
Surr: o-Terphenyl	51.8	0	47-142		%REC	1	10/10/2006 10:12:24 PM
Surr: Octacosane	59.4	0	25-162		%REC	1	10/10/2006 10:12:24 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0570	0.190		mg/Kg-dry	1	10/12/2006 12:34:17 PM
Surr: Tetrachlorethene	91.3	0	70-134		%REC	1	10/12/2006 12:34:17 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0228	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
1,2-Dichlorobenzene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
1,3-Dichlorobenzene	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
1,4-Dichlorobenzene	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,4,5-Trichlorophenol	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,4,6-Trichlorophenol	ND	0.0685	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,4-Dichlorophenol	ND	0.0913	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,4-Dimethylphenol	ND	0.0685	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,4-Dinitrophenol	ND	0.0570	0.753		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,4-Dinitrotoluene	ND	0.0685	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2,6-Dinitrotoluene	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2-Chloronaphthalene	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2-Chlorophenol	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2-Methylnaphthalene	ND	0.0228	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2-Methylphenol	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2-Nitroaniline	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
2-Nitrophenol	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
3,3´-Dichlorobenzidine	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
3-Nitroaniline	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0913	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Bromophenyl phenyl ether	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Chloro-3-methylphenol	ND	0.0685	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Chloroaniline	ND	0.0570	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Chlorophenyl phenyl ether	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Methylphenol	ND	0.114	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Nitroaniline	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
4-Nitrophenol	ND	0.160	0.753		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Acenaphthene	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Acenaphthylene	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Aniline	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Anthracene	ND	0.0228	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS10-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-10
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:15:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0228	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Benzo[a]pyrene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Benzo[b]fluoranthene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Benzo[g,h,i]perylene	ND	0.0685	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Benzo[k]fluoranthene	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Benzyl alcohol	ND	0.0456	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Bis(2-chloroethoxy)methane	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Bis(2-chloroethyl)ether	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Butyl benzyl phthalate	ND	0.114	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Carbazole	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Chrysene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Di-n-butyl phthalate	ND	0.114	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Di-n-octyl phthalate	ND	0.114	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Dibenz[a,h]anthracene	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Dibenzofuran	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Diethyl phthalate	ND	0.114	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Dimethyl phthalate	ND	0.114	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Fluoranthene	ND	0.0228	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Fluorene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Hexachlorobenzene	ND	0.0114	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Hexachlorobutadiene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Hexachlorocyclopentadiene	ND	0.0685	0.376		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Hexachloroethane	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Isophorone	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
N-Nitrosodi-n-propylamine	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
N-Nitrosodiphenylamine	ND	0.0570	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Naphthalene	ND	0.0456	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Nitrobenzene	ND	0.0799	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Pentachlorophenol	ND	0.103	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Phenanthrene	ND	0.0342	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Phenol	ND	0.0685	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Pyrene	ND	0.0228	0.152		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Pyridine	ND	0.148	0.753		mg/Kg-dry	1	10/6/2006 7:45:00 PM
Surr: 2,4,6-Tribromophenol	73.9	0	45-138		%REC	1	10/6/2006 7:45:00 PM
Surr: 2-Fluorobiphenyl	68.2	0	60-135		%REC	1	10/6/2006 7:45:00 PM
Surr: 2-Fluorophenol	62.9	0	37-125		%REC	1	10/6/2006 7:45:00 PM
Surr: 4-Terphenyl-d14	79.4	0	60-129		%REC	1	10/6/2006 7:45:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS10-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-10
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:15:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	62.2	0	45-125		%REC	1	10/6/2006 7:45:00 PM
Surr: Phenol-d6	66.2	0	40-125		%REC	1	10/6/2006 7:45:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,1,1-Trichloroethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,1,2,2-Tetrachloroethane	ND US	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,1,2-Trichloroethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,1-Dichloroethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,1-Dichloroethene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,1-Dichloropropene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2,3-Trichlorobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2,3-Trichloropropane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2,4-Trichlorobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2,4-Trimethylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2-Dibromo-3-chloropropane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2-Dibromoethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2-Dichlorobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2-Dichloroethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,2-Dichloropropane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,3,5-Trimethylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,3-Dichlorobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,3-Dichloropropane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
1,4-Dichlorobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
2,2-Dichloropropane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
2-Butanone	ND	5.17	15.5		µg/Kg-dry	1	10/10/2006 8:02:00 PM
2-Chloroethylvinylether	ND	5.17	15.5		µg/Kg-dry	1	10/10/2006 8:02:00 PM
2-Chlorotoluene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
2-Hexanone	ND	5.17	15.5		µg/Kg-dry	1	10/10/2006 8:02:00 PM
4-Chlorotoluene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
4-Methyl-2-pentanone	ND	5.17	15.5		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Acetone	ND	15.5	51.7		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Benzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Bromobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Bromochloromethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Bromodichloromethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Bromoform	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Bromomethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Carbon disulfide	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Carbon tetrachloride	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM

Qualifiers:

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DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS10-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-10
Project No:	G486352-05	**Collection Date:**	10/4/2006 3:15:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Chloroethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Chloroform	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Chloromethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
cis-1,2-Dichloroethene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
cis-1,3-Dichloropropene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Dibromochloromethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Dibromomethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Dichlorodifluoromethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Ethylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Hexachlorobutadiene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Iodomethane	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Isopropylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
m,p-Xylene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Methyl tert-butyl ether	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Methylene chloride	ND 7	5.17	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
n-Butylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
n-Propylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Naphthalene	ND	5.17	15.5		µg/Kg-dry	1	10/10/2006 8:02:00 PM
o-Xylene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
p-Isopropyltoluene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
sec-Butylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Styrene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
tert-Butylbenzene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Tetrachloroethene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Toluene	1.32	1.03	5.17	J	µg/Kg-dry	1	10/10/2006 8:02:00 PM
trans-1,2-Dichloroethene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
trans-1,3-Dichloropropene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Trichloroethene	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Trichlorofluoromethane	ND	5.17	15.5		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Vinyl chloride	ND	1.03	5.17		µg/Kg-dry	1	10/10/2006 8:02:00 PM
Surr: 1,2-Dichloroethane-d4	92.9	0	78-125		%REC	1	10/10/2006 8:02:00 PM
Surr: 4-Bromofluorobenzene	83.9	0	82-125		%REC	1	10/10/2006 8:02:00 PM
Surr: Dibromofluoromethane	93.6	0	80-121		%REC	1	10/10/2006 8:02:00 PM
Surr: Toluene-d8	85.3	0	80-120		%REC	1	10/10/2006 8:02:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	13.7	0	0	N	WT%	1	10/6/2006 8:15:00 AM

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DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS11-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-11
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: DO
TPH-DRO C10-C28	5.56 J	3.22	10.7	J	mg/Kg-dry	1	10/10/2006 10:38:36 PM
TPH-ORO >C28-C35	3.83 J	3.22	10.7	J	mg/Kg-dry	1	10/10/2006 10:38:36 PM
Surr: o-Terphenyl	50.5	0	47-142		%REC	1	10/10/2006 10:38:36 PM
Surr: Octacosane	58.7	0	25-162		%REC	1	10/10/2006 10:38:36 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: JAW
Gasoline Range Organics	ND	0.0537	0.179		mg/Kg-dry	1	10/11/2006 9:51:01 PM
Surr: Tetrachlorethene	97.6	0	70-134		%REC	1	10/11/2006 9:51:01 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: DO
1,2,4-Trichlorobenzene	ND	0.0220	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
1,2-Dichlorobenzene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
1,3-Dichlorobenzene	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
1,4-Dichlorobenzene	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,4,5-Trichlorophenol	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,4,6-Trichlorophenol	ND	0.0660	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,4-Dichlorophenol	ND	0.0880	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,4-Dimethylphenol	ND	0.0660	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,4-Dinitrophenol	ND	0.0550	0.726		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,4-Dinitrotoluene	ND	0.0660	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2,6-Dinitrotoluene	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2-Chloronaphthalene	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2-Chlorophenol	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2-Methylnaphthalene	ND	0.0220	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2-Methylphenol	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2-Nitroaniline	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
2-Nitrophenol	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
3,3'-Dichlorobenzidine	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
3-Nitroaniline	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4,6-Dinitro-2-methylphenol	ND	0.0880	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Bromophenyl phenyl ether	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Chloro-3-methylphenol	ND	0.0660	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Chloroaniline	ND	0.0550	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Chlorophenyl phenyl ether	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Methylphenol	ND	0.110	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Nitroaniline	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
4-Nitrophenol	ND	0.154	0.726		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Acenaphthene	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Acenaphthylene	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Aniline	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Anthracene	ND	0.0220	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS11-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-11
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0220	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Benzo[a]pyrene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Benzo[b]fluoranthene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Benzo[g,h,i]perylene	ND	0.0660	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Benzo[k]fluoranthene	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Benzyl alcohol	ND	0.0440	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Bis(2-chloroethoxy)methane	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Bis(2-chloroethyl)ether	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Bis(2-chloroisopropyl)ether	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Butyl benzyl phthalate	ND	0.110	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Carbazole	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Chrysene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Di-n-butyl phthalate	ND	0.110	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Di-n-octyl phthalate	ND	0.110	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Dibenz[a,h]anthracene	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Dibenzofuran	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Diethyl phthalate	ND	0.110	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Dimethyl phthalate	ND	0.110	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Fluoranthene	ND	0.0220	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Fluorene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Hexachlorobenzene	ND	0.0110	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Hexachlorobutadiene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Hexachlorocyclopentadiene	ND	0.0660	0.363		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Hexachloroethane	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Indeno[1,2,3-cd]pyrene	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Isophorone	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
N-Nitrosodi-n-propylamine	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
N-Nitrosodiphenylamine	ND	0.0550	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Naphthalene	ND	0.0440	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Nitrobenzene	ND	0.0770	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Pentachlorophenol	ND	0.0990	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Phenanthrene	ND	0.0330	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Phenol	ND	0.0660	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Pyrene	ND	0.0220	0.146		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Pyridine	ND	0.143	0.726		mg/Kg-dry	1	10/6/2006 5:51:00 PM
Surr: 2,4,6-Tribromophenol	73.1	0	45-138		%REC	1	10/6/2006 5:51:00 PM
Surr: 2-Fluorobiphenyl	70.9	0	60-135		%REC	1	10/6/2006 5:51:00 PM
Surr: 2-Fluorophenol	66.7	0	37-125		%REC	1	10/6/2006 5:51:00 PM
Surr: 4-Terphenyl-d14	80.3	0	60-129		%REC	1	10/6/2006 5:51:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS11-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-11
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: Nitrobenzene-d5	65.2	0	45-125		%REC	1	10/6/2006 5:51:00 PM
Surr: Phenol-d6	70.1	0	40-125		%REC	1	10/6/2006 5:51:00 PM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,1,1-Trichloroethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,1,2-Trichloroethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,1-Dichloroethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,1-Dichloroethene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,1-Dichloropropene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2,3-Trichlorobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2,3-Trichloropropane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2,4-Trichlorobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2,4-Trimethylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2-Dibromo-3-chloropropane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2-Dibromoethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2-Dichlorobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2-Dichloroethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,2-Dichloropropane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,3,5-Trimethylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,3-Dichlorobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,3-Dichloropropane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
1,4-Dichlorobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
2,2-Dichloropropane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
2-Butanone	ND	3.57	10.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
2-Chloroethylvinylether	ND	3.57	10.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
2-Chlorotoluene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
2-Hexanone	ND	3.57	10.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
4-Chlorotoluene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
4-Methyl-2-pentanone	ND	3.57	10.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Acetone	ND	10.7	35.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Benzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Bromobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Bromochloromethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Bromodichloromethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Bromoform	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Bromomethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Carbon disulfide	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Carbon tetrachloride	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/13/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS11-5-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-11
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:50:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Chlorobenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Chloroethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Chloroform	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Chloromethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
cis-1,2-Dichloroethene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
cis-1,3-Dichloropropene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Dibromochloromethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Dibromomethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Dichlorodifluoromethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Ethylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Hexachlorobutadiene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Iodomethane	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Isopropylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
m,p-Xylene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Methyl tert-butyl ether	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Methylene chloride	ND	3.57	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
n-Butylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
n-Propylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Naphthalene	ND	3.57	10.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
o-Xylene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
p-Isopropyltoluene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
sec-Butylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Styrene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
tert-Butylbenzene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Tetrachloroethene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Toluene	1.36	0.714	3.57	J	µg/Kg-dry	1	10/10/2006 8:34:00 PM
trans-1,2-Dichloroethene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
trans-1,3-Dichloropropene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Trichloroethene	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Trichlorofluoromethane	ND	3.57	10.7		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Vinyl chloride	ND	0.714	3.57		µg/Kg-dry	1	10/10/2006 8:34:00 PM
Surr: 1,2-Dichloroethane-d4	94.9	0	78-125		%REC	1	10/10/2006 8:34:00 PM
Surr: 4-Bromofluorobenzene	87.1	0	82-125		%REC	1	10/10/2006 8:34:00 PM
Surr: Dibromofluoromethane	96.4	0	80-121		%REC	1	10/10/2006 8:34:00 PM
Surr: Toluene-d8	85.2	0	80-120		%REC	1	10/10/2006 8:34:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	11.3	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS12-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-12
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:10:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	2520	16.5	55.1		mg/Kg-dry	5	10/16/2006 4:48:38 PM
TPH-ORO >C28-C35	833	16.5	55.1		mg/Kg-dry	5	10/16/2006 4:48:38 PM
Surr: o-Terphenyl	209	0	47-142	S	%REC	5	10/16/2006 4:48:38 PM
Surr: Octacosane	383	0	25-162	S	%REC	5	10/16/2006 4:48:38 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **JAW**
Gasoline Range Organics	ND	0.0476	0.159		mg/Kg-dry	1	10/11/2006 10:14:40 PM
Surr: Tetrachlorethene	84.1	0	70-134		%REC	1	10/11/2006 10:14:40 PM
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
1,2,4-Trichlorobenzene	ND	0.0227	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
1,2-Dichlorobenzene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
1,3-Dichlorobenzene	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
1,4-Dichlorobenzene	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,4,5-Trichlorophenol	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,4,6-Trichlorophenol	ND	0.0682	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,4-Dichlorophenol	ND	0.0910	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,4-Dimethylphenol	ND	0.0682	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,4-Dinitrophenol	ND	0.0569	0.751		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,4-Dinitrotoluene	ND	0.0682	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2,6-Dinitrotoluene	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2-Chloronaphthalene	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2-Chlorophenol	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2-Methylnaphthalene	ND	0.0227	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2-Methylphenol	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2-Nitroaniline	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
2-Nitrophenol	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
3,3'-Dichlorobenzidine	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
3-Nitroaniline	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4,6-Dinitro-2-methylphenol	ND	0.0910	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Bromophenyl phenyl ether	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Chloro-3-methylphenol	ND	0.0682	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Chloroaniline	ND	0.0569	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Chlorophenyl phenyl ether	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Methylphenol	ND	0.114	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Nitroaniline	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
4-Nitrophenol	ND	0.159	0.751		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Acenaphthene	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Acenaphthylene	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Aniline	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Anthracene	0.227	0.114	0.756	J	mg/Kg-dry	5	10/11/2006 12:13:00 AM

Qualifiers:

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DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/13/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS12-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-12
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:10:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Benzo[a]anthracene	ND	0.0227	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Benzo[a]pyrene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Benzo[b]fluoranthene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Benzo[g,h,i]perylene	1.48	0.341	0.756		mg/Kg-dry	5	10/11/2006 12:13:00 AM
Benzo[k]fluoranthene	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Benzyl alcohol	ND	0.0455	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Bis(2-chloroethoxy)methane	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Bis(2-chloroethyl)ether	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Bis(2-chloroisopropyl)ether	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Bis(2-ethylhexyl)phthalate	0.372	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Butyl benzyl phthalate	ND	0.114	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Carbazole	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Chrysene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Di-n-butyl phthalate	ND	0.114	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Di-n-octyl phthalate	ND	0.114	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Dibenz[a,h]anthracene	0.379	0.284	0.756	J	mg/Kg-dry	5	10/11/2006 12:13:00 AM
Dibenzofuran	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Diethyl phthalate	ND	0.114	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Dimethyl phthalate	ND	0.114	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Fluoranthene	ND	0.0227	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Fluorene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Hexachlorobenzene	ND	0.0114	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Hexachlorobutadiene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Hexachlorocyclopentadiene	ND	0.0682	0.375		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Hexachloroethane	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Indeno[1,2,3-cd]pyrene	0.796	0.227	0.756		mg/Kg-dry	5	10/11/2006 12:13:00 AM
Isophorone	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
N-Nitrosodi-n-propylamine	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
N-Nitrosodiphenylamine	ND	0.0569	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Naphthalene	ND	0.0455	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Nitrobenzene	ND	0.0796	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Pentachlorophenol	ND	0.102	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Phenanthrene	ND	0.0341	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Phenol	ND	0.0682	0.151		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Pyrene	0.144	0.0227	0.151	J	mg/Kg-dry	1	10/7/2006 12:20:00 AM
Pyridine	ND	0.148	0.751		mg/Kg-dry	1	10/7/2006 12:20:00 AM
Surr: 2,4,6-Tribromophenol	89.6	0	45-138		%REC	5	10/11/2006 12:13:00 AM
Surr: 2,4,6-Tribromophenol	140	0	45-138	S	%REC	1	10/7/2006 12:20:00 AM
Surr: 2-Fluorobiphenyl	71.1	0	60-135		%REC	1	10/7/2006 12:20:00 AM
Surr: 2-Fluorobiphenyl	62.2	0	60-135		%REC	5	10/11/2006 12:13:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS12-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-12
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:10:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - SOIL		**SW8270C**					Analyst: **DO**
Surr: 2-Fluorophenol	59.5	0	37-125		%REC	1	10/7/2006 12:20:00 AM
Surr: 2-Fluorophenol	62.2	0	37-125		%REC	5	10/11/2006 12:13:00 AM
Surr: 4-Terphenyl-d14	75.4	0	60-129		%REC	1	10/7/2006 12:20:00 AM
Surr: 4-Terphenyl-d14	89.6	0	60-129		%REC	5	10/11/2006 12:13:00 AM
Surr: Nitrobenzene-d5	62.4	0	45-125		%REC	1	10/7/2006 12:20:00 AM
Surr: Nitrobenzene-d5	65.9	0	45-125		%REC	5	10/11/2006 12:13:00 AM
Surr: Phenol-d6	63.4	0	40-125		%REC	5	10/11/2006 12:13:00 AM
Surr: Phenol-d6	59.5	0	40-125		%REC	1	10/7/2006 12:20:00 AM
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,1,1-Trichloroethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,1,2,2-Tetrachloroethane	ND UJ	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,1,2-Trichloroethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,1-Dichloroethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,1-Dichloroethene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,1-Dichloropropene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2,3-Trichlorobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2,3-Trichloropropane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2,4-Trichlorobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2,4-Trimethylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2-Dibromo-3-chloropropane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2-Dibromoethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2-Dichlorobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2-Dichloroethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,2-Dichloropropane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,3,5-Trimethylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,3-Dichlorobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,3-Dichloropropane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
1,4-Dichlorobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
2,2-Dichloropropane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
2-Butanone	ND	4.21	12.6		µg/Kg-dry	1	10/10/2006 9:07:00 PM
2-Chloroethylvinylether	ND	4.21	12.6		µg/Kg-dry	1	10/10/2006 9:07:00 PM
2-Chlorotoluene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
2-Hexanone	ND	4.21	12.6		µg/Kg-dry	1	10/10/2006 9:07:00 PM
4-Chlorotoluene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
4-Methyl-2-pentanone	ND	4.21	12.6		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Acetone	13.1	12.6	42.1	J	µg/Kg-dry	1	10/10/2006 9:07:00 PM
Benzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Bromobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

9/11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS12-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-12
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:10:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Bromochloromethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Bromodichloromethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Bromoform	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Bromomethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Carbon disulfide	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Carbon tetrachloride	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Chlorobenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Chloroethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Chloroform	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Chloromethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
cis-1,2-Dichloroethene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
cis-1,3-Dichloropropene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Dibromochloromethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Dibromomethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Dichlorodifluoromethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Ethylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Hexachlorobutadiene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Iodomethane	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Isopropylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
m,p-Xylene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Methyl tert-butyl ether	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Methylene chloride	13.9 J	4.21	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
n-Butylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
n-Propylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Naphthalene	ND	4.21	12.6		µg/Kg-dry	1	10/10/2006 9:07:00 PM
o-Xylene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
p-Isopropyltoluene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
sec-Butylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Styrene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
tert-Butylbenzene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Tetrachloroethene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Toluene	1.77	0.843	4.21	J	µg/Kg-dry	1	10/10/2006 9:07:00 PM
trans-1,2-Dichloroethene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
trans-1,3-Dichloropropene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Trichloroethene	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Trichlorofluoromethane	ND	4.21	12.6		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Vinyl chloride	ND	0.843	4.21		µg/Kg-dry	1	10/10/2006 9:07:00 PM
Surr: 1,2-Dichloroethane-d4	96.3	0	78-125		%REC	1	10/10/2006 9:07:00 PM
Surr: 4-Bromofluorobenzene	89.8	0	82-125		%REC	1	10/10/2006 9:07:00 PM
Surr: Dibromofluoromethane	96.7	0	80-121		%REC	1	10/10/2006 9:07:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	SS12-4-100406
Project:	Gulfport GPT	**Lab ID:**	0610033-12
Project No:	G486352-05	**Collection Date:**	10/4/2006 12:10:00 PM
Lab Order:	0610033	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
Surr: Toluene-d8	84.6	0	80-120		%REC	1	10/10/2006 9:07:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JBC**
Percent Moisture	13.6	0	0	N	WT%	1	10/6/2006 8:15:00 AM

Qualifiers:				
	B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/10

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project:	Gulfport GPT	**Lab ID:**	0610033-13
Project No:	G486352-05	**Collection Date:**	10/4/2006
Lab Order:	0610033	**Matrix:**	TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
1,1,1,2-Tetrachloroethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,1,1-Trichloroethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,1,2,2-Tetrachloroethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,1,2-Trichloroethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,1-Dichloroethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,1-Dichloroethene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,1-Dichloropropene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,2,3-Trichlorobenzene	ND	1.50	5.00		µg/L	1	10/10/2006 2:12:00 PM
1,2,3-Trichloropropane	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,2,4-Trichlorobenzene	ND	1.50	5.00		µg/L	1	10/10/2006 2:12:00 PM
1,2,4-Trimethylbenzene	ND	1.50	5.00		µg/L	1	10/10/2006 2:12:00 PM
1,2-Dibromo-3-chloropropane	ND	3.00	10.0		µg/L	1	10/10/2006 2:12:00 PM
1,2-Dibromoethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,2-Dichlorobenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,2-Dichloroethane	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,2-Dichloropropane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,3,5-Trimethylbenzene	ND	1.50	5.00		µg/L	1	10/10/2006 2:12:00 PM
1,3-Dichlorobenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,3-Dichloropropane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
1,4-Dichlorobenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
2,2-Dichloropropane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
2-Butanone	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
2-Chloroethylvinylether	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
2-Chlorotoluene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
2-Hexanone	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
4-Chlorotoluene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
4-Methyl-2-pentanone	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
Acetone	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
Benzene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Bromobenzene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Bromochloromethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Bromodichloromethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Bromoform	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Bromomethane	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Carbon disulfide	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
Carbon tetrachloride	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Chlorobenzene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Chloroethane	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Chloroform	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Chloromethane	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06

DHL Analytical

Date: *19-Oct-06*

CLIENT:	Battelle	**Client Sample ID:**	Trip Blank
Project:	Gulfport GPT	**Lab ID:**	0610033-13
Project No:	G486352-05	**Collection Date:**	10/4/2006
Lab Order:	0610033	**Matrix:**	TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		**SW8260B**					Analyst: **MRG**
cis-1,2-Dichloroethene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
cis-1,3-Dichloropropene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Dibromochloromethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Dibromomethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Dichlorodifluoromethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Ethylbenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Hexachlorobutadiene	ND	1.00	3.00		µg/L	1	10/10/2006 2:12:00 PM
Iodomethane	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
Isopropylbenzene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
m,p-Xylene	ND	0.600	2.00		µg/L	1	10/10/2006 2:12:00 PM
Methyl tert-butyl ether	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Methylene chloride	ND	2.50	2.50		µg/L	1	10/10/2006 2:12:00 PM
n-Butylbenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
n-Propylbenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Naphthalene	ND	5.00	15.0		µg/L	1	10/10/2006 2:12:00 PM
o-Xylene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
p-Isopropyltoluene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
sec-Butylbenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Styrene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
tert-Butylbenzene	ND	0.300	1.00		µg/L	1	10/10/2006 2:12:00 PM
Tetrachloroethene	ND	0.600	2.00		µg/L	1	10/10/2006 2:12:00 PM
Toluene	ND	0.600	2.00		µg/L	1	10/10/2006 2:12:00 PM
trans-1,2-Dichloroethene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
trans-1,3-Dichloropropene	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Trichloroethene	ND	0.600	2.00		µg/L	1	10/10/2006 2:12:00 PM
Trichlorofluoromethane	ND	0.200	1.00		µg/L	1	10/10/2006 2:12:00 PM
Vinyl chloride	ND	0.100	1.00		µg/L	1	10/10/2006 2:12:00 PM
Surr: 1,2-Dichloroethane-d4	99.2	0	72-119		%REC	1	10/10/2006 2:12:00 PM
Surr: 4-Bromofluorobenzene	101	0	76-119		%REC	1	10/10/2006 2:12:00 PM
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	10/10/2006 2:12:00 PM
Surr: Toluene-d8	95.2	0	81-120		%REC	1	10/10/2006 2:12:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
N	Parameter not NELAC certified	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits

11/3/06