



October 07, 2008

Mark Norman
Geo-Marine, Inc.
950 Isom Rd
San Antonio, Texas 78216-4170

Order No: 0810027

TEL: (210) 930-3007
FAX: (210) 930-3777

RE: Swift

Dear Mark Norman:

DHL Analytical received 1 sample(s) on 10/3/2008 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,

A handwritten signature in black ink that reads "John DuPont". The signature is written in a cursive style with a large initial "J".

John DuPont
Lab Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-08A-TX



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FedEx Ship Manager - Print Your Label(s)

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Robert Delgado
Geo-Marine, Inc.
950 Isom Road Suite 102
San Antonio, TX 78216

fedex
Business



CLERK SERVICE

SHIP TO: 5123888222
BILL SENDER

John Dupont
DHL
2300 DOUBLE CREEK DR

ROUND ROCK, TX 786643801

Activt: 10 LB
CAD: 248165/NET8091
Account#: S *****

Delivery Address Bar Code

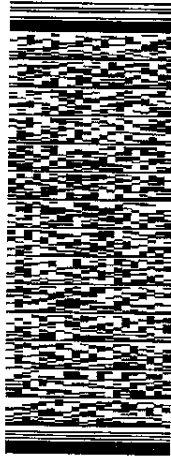


Ref #: 30590.00.02
Invoice #
PO #
Dept #

TRK# 7911 5288 4866
0201
FRI - 03OCT A1
PRIORITY OVERNIGHT

78664
TX-US
AUS

44 BSMA



QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

CUSTOMER SIGNATURE

DATE _____
SIGNATURE _____

Laboratory Data Package Signature Page

This data package consists of:

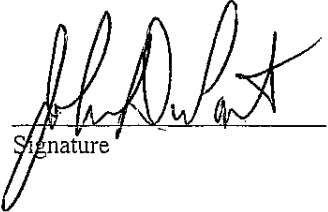
This signature page, the laboratory review checklist, and the following reportable data:

- 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 my 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
John DuPont – General / QA Manager


Signature

10/07/08
Date

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Swift Date: 10/7/08

Reviewer Name: Carlos Castro Laboratory Work Order: 0810027

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, including prep and cleanup steps?	✓				
		3) Were LCSs analyzed at the required frequency?	✓				
		4) Were LCS (and LCSD, if applicable) %Rs 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?	✓				
		6) Was the LCSD RPD within QC limits (if applicable)?	✓				
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?	✓				
		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?	✓				
		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?	✓				

- 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.
- O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
- NA = Not applicable.
- NR = Not Reviewed.
- ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.							
Laboratory Review Checklist (continued): Supporting Data							
Project Name: <i>Swift</i>			Date: <i>10/1/08</i>				
Reviewer Name: <i>Carlos Castro</i>			Laboratory Work Order: <i>0810027</i>				
# 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?		✓			<i>S2-02</i>
		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, and 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?	✓				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	✓				
S11	OI	Proficiency Test Reports:					
		1) Was the lab'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?	✓				
		2) Is documentation of the analyst's competency up-to-date and on file?	✓				
S15	OI	Verification/Validation Documentation for Methods (NELAC Chap 5)					
		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 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).

Sample Receipt Checklist

Client Name Geo-Marine, Inc.

Date Received: 10/3/2008

Work Order Number 0810027

Received by JB

Checklist completed by: [Signature] 10/3/08

Reviewed by: [Initials] 10/3/08

Carrier name: FedEx 1day

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

Adjusted? ND 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 _____

CLIENT: Geo-Marine, Inc.
Project: Swift
Lab Order: 0810027

CASE NARRATIVE

The sample was analyzed using the methods outlined in the following references:

Method SW8260 - Volatile Organics
Method SW8270C - Semivolatile Organics
Method Tx1005 - Total Petroleum Hydrocarbons
Method SW7470A - Mercury Analysis
Method SW6020 - Metals Analysis

Exception Report R1-01

The sample was received and log-in performed on 10/3/08. A total of 1 sample was received. The turnaround time for this project was changed from normal to 1 day rush as per the client. The sample arrived in good condition and was properly packaged.

Exception Report R6-04

For Volatiles analysis performed on 10/6/08 the LCS recovery was slightly above control limits for 2-Hexanone. This is flagged accordingly in the enclosed QC summary report. The sample was below detection limits for this compound. No further corrective actions were taken.

Exception Report S2-02

For Volatiles analysis performed on 10/6/08 the ICV was above control limits for 2-Hexanone. This is flagged accordingly in the enclosed QC summary report. The sample was below detection limits for this compound. No further corrective actions were taken.

CLIENT: Geo-Marine, Inc.
Project: Swift
Lab Order: 0810027

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
0810027-01	Excav Water 1		10/02/08 11:00 AM	10/03/08

CLIENT: Geo-Marine, Inc.
Project: Swift
Lab Order: 0810027

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0810027-01A	Excav Water 1	10/02/08 11:00 AM	Aqueous	SW5030B	Purge and Trap Water GC/MS	10/06/08 01:02 PM	31891
0810027-01B	Excav Water 1	10/02/08 11:00 AM	Aqueous	TX1005	TX1005 Water Prep	10/07/08 08:56 AM	31898
0810027-01C	Excav Water 1	10/02/08 11:00 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	10/06/08 01:37 PM	31893
	Excav Water 1	10/02/08 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/06/08 10:25 AM	31888
	Excav Water 1	10/02/08 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/06/08 10:25 AM	31888
0810027-01D	Excav Water 1	10/02/08 11:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	10/06/08 09:43 AM	31886
	Excav Water 1	10/02/08 11:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	10/06/08 09:43 AM	31886

CLIENT: Geo-Marine, Inc.
 Project: Swift
 Lab Order: 0810027

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0810027-01A	Excav Water 1	Aqueous	SW8260B	Volatiles by GC/MS	31891	1	10/06/08 08:12 PM	GCMS5_081006A
0810027-01B	Excav Water 1	Aqueous	TX1005	Tx1005 TPH Water	31898	1	10/07/08 10:57 AM	GC12_081007A
0810027-01C	Excav Water 1	Aqueous	SW7470A	Total Mercury: Aqueous	31893	1	10/07/08 10:02 AM	CETAC_HG_081007A
	Excav Water 1	Aqueous	SW6020	Trace Metals: ICP-MS - Water	31888	1	10/06/08 04:25 PM	ICP-MS3_081006A
	Excav Water 1	Aqueous	SW6020	Trace Metals: ICP-MS - Water	31888	20	10/06/08 06:26 PM	ICP-MS3_081006A
0810027-01D	Excav Water 1	Aqueous	SW8270C	Semivolatiles by GC/MS	31886	10	10/06/08 07:06 PM	GCMS4_081006A
	Excav Water 1	Aqueous	SW8270C	Semivolatiles by GC/MS	31886	1	10/06/08 07:31 PM	GCMS4_081006A

CLIENT: Geo-Marine, Inc.
 Project: Swift
 Project No: 30590.00.02
 Lab Order: 0810027

Client Sample ID: Excav Water 1
 Lab ID: 0810027-01
 Collection Date: 10/02/08 11:00 AM
 Matrix: Aqueous

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
Tx1005 TPH Water		TX1005		Analyst: JAW			
T/R Hydrocarbons: C6-C12	ND	0.686	1.96		mg/L	1	10/07/08 10:57 AM
T/R Hydrocarbons: >C12-C28	ND	0.686	1.96		mg/L	1	10/07/08 10:57 AM
T/R Hydrocarbons: >C28-C35	ND	0.686	1.96		mg/L	1	10/07/08 10:57 AM
T/R Hydrocarbons: C6-C35	ND	0.686	1.96		mg/L	1	10/07/08 10:57 AM
Surr: Isopropylbenzene	95.8	0	70 - 130		%REC	1	10/07/08 10:57 AM
Surr: Octacosane	100	0	70 - 130		%REC	1	10/07/08 10:57 AM
Total Mercury: Aqueous		SW7470A		Analyst: LM			
Mercury	ND	0.000800	0.000200		mg/L	1	10/07/08 10:02 AM
Trace Metals: ICP-MS - Water		SW6020		Analyst: AJR			
Arsenic	ND	0.00200	0.00600		mg/L	1	10/06/08 04:25 PM
Barium	0.152	0.00300	0.0100		mg/L	1	10/06/08 04:25 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	10/06/08 04:25 PM
Chromium	ND	0.00200	0.00600		mg/L	1	10/06/08 04:25 PM
Lead	0.00105	0.000300	0.00100		mg/L	1	10/06/08 04:25 PM
Selenium	ND	0.00200	0.00600		mg/L	1	10/06/08 04:25 PM
Silver	ND	0.00100	0.00200		mg/L	1	10/06/08 04:25 PM
Semivolatiles by GC/MS		SW8270C		Analyst: DO			
1,2,4-Trichlorobenzene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
1,2-Dichlorobenzene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
1,3-Dichlorobenzene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
1,4-Dichlorobenzene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2,4,5-Trichlorophenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2,4,6-Trichlorophenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2,4-Dichlorophenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2,4-Dimethylphenol	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
2,4-Dinitrophenol	ND	0.00100	0.0200		mg/L	1	10/06/08 07:31 PM
2,4-Dinitrotoluene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2,6-Dinitrotoluene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2-Chloronaphthalene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2-Chlorophenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2-Methylnaphthalene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2-Methylphenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2-Nitroaniline	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
2-Nitrophenol	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
3,3'-Dichlorobenzidine	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
3-Nitroaniline	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
4,6-Dinitro-2-methylphenol	ND	0.00100	0.0100		mg/L	1	10/06/08 07:31 PM
4-Bromophenyl phenyl ether	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
4-Chloro-3-methylphenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
4-Chloroaniline	ND	0.00100	0.0100		mg/L	1	10/06/08 07:31 PM
4-Chlorophenyl phenyl ether	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
4-Methylphenol	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
4-Nitroaniline	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
4-Nitrophenol	ND	0.00200	0.0200		mg/L	1	10/06/08 07:31 PM

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

CLIENT:	Geo-Marine, Inc.	Client Sample ID:	Excav Water 1
Project:	Swift	Lab ID:	0810027-01
Project No:	30590.00.02	Collection Date:	10/02/08 11:00 AM
Lab Order:	0810027	Matrix:	Aqueous

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Acenaphthylene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Aniline	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Anthracene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Benzo[a]anthracene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Benzo[a]pyrene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Benzo[b]fluoranthene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Benzo[g,h,i]perylene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Benzo[k]fluoranthene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Benzyl alcohol	ND	0.00100	0.0100		mg/L	1	10/06/08 07:31 PM
Bis(2-chloroethoxy)methane	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Bis(2-chloroethyl)ether	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Bis(2-chloroisopropyl)ether	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Bis(2-ethylhexyl)phthalate	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Butyl benzyl phthalate	ND	0.00400	0.0100		mg/L	1	10/06/08 07:31 PM
Carbazole	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Chrysene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Di-n-butyl phthalate	ND	0.00400	0.0100		mg/L	1	10/06/08 07:31 PM
Di-n-octyl phthalate	ND	0.00400	0.0100		mg/L	1	10/06/08 07:31 PM
Dibenz[a,h]anthracene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Dibenzofuran	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Diethyl phthalate	ND	0.00400	0.0100		mg/L	1	10/06/08 07:31 PM
Dimethyl phthalate	ND	0.00400	0.0100		mg/L	1	10/06/08 07:31 PM
Fluoranthene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Fluorene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Hexachlorobenzene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Hexachlorobutadiene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Hexachlorocyclopentadiene	ND	0.00200	0.0100		mg/L	1	10/06/08 07:31 PM
Hexachloroethane	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Indeno[1,2,3-cd]pyrene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Isophorone	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
N-Nitrosodi-n-propylamine	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
N-Nitrosodiphenylamine	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Naphthalene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Nitrobenzene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Pentachlorophenol	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Phenanthrene	ND	0.00100	0.00400		mg/L	1	10/06/08 07:31 PM
Phenol	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Pyrene	ND	0.00200	0.00400		mg/L	1	10/06/08 07:31 PM
Surr: 2,4,6-Tribromophenol	99.2	0	53 - 155		%REC	1	10/06/08 07:31 PM
Surr: 2-Fluorobiphenyl	90.0	0	55 - 130		%REC	1	10/06/08 07:31 PM
Surr: 2-Fluorophenol	63.5	0	25 - 120		%REC	1	10/06/08 07:31 PM
Surr: 4-Terphenyl-d14	98.8	0	51 - 135		%REC	1	10/06/08 07:31 PM
Surr: Nitrobenzene-d5	95.8	0	55 - 124		%REC	1	10/06/08 07:31 PM
Surr: Phenol-d6	46.0	0	20 - 120		%REC	1	10/06/08 07:31 PM

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

CLIENT: Geo-Marine, Inc.
 Project: Swift
 Project No: 30590.00.02
 Lab Order: 0810027

Client Sample ID: Excav Water 1
 Lab ID: 0810027-01
 Collection Date: 10/02/08 11:00 AM
 Matrix: Aqueous

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
Volatiles by GC/MS		SW8260B			Analyst: KW		
1,1,1,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,1,1-Trichloroethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,1,2,2-Tetrachloroethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,1,2-Trichloroethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,1-Dichloroethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,1-Dichloroethene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,1-Dichloropropene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,2,3-Trichlorobenzene	ND	0.00200	0.00500		mg/L	1	10/06/08 08:12 PM
1,2,3-Trichloropropane	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
1,2,4-Trichlorobenzene	ND	0.00200	0.00500		mg/L	1	10/06/08 08:12 PM
1,2,4-Trimethylbenzene	ND	0.00200	0.00500		mg/L	1	10/06/08 08:12 PM
1,2-Dibromo-3-chloropropane	ND	0.00300	0.00500		mg/L	1	10/06/08 08:12 PM
1,2-Dibromoethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,2-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
1,2-Dichloroethane	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
1,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,3,5-Trimethylbenzene	ND	0.00200	0.00500		mg/L	1	10/06/08 08:12 PM
1,3-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
1,3-Dichloropropane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
1,4-Dichlorobenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
2,2-Dichloropropane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
2-Butanone	ND	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
2-Chloroethylvinylether	ND	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
2-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
2-Hexanone	ND	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
4-Chlorotoluene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
4-Methyl-2-pentanone	ND	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
Acetone	0.0162	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
Benzene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Bromobenzene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Bromochloromethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Bromodichloromethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Bromoform	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Bromomethane	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Carbon disulfide	ND	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
Carbon tetrachloride	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Chlorobenzene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Chloroethane	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Chloroform	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Chloromethane	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
cis-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
cis-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Dibromochloromethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Dibromomethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM

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

DHL Analytical

Date: 10/07/08

CLIENT: Geo-Marine, Inc.
 Project: Swift
 Project No: 30590.00.02
 Lab Order: 0810027

Client Sample ID: Excav Water 1
 Lab ID: 0810027-01
 Collection Date: 10/02/08 11:00 AM
 Matrix: Aqueous

Analyses	Result	SDL	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Ethylbenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Hexachlorobutadiene	ND	0.00100	0.00300		mg/L	1	10/06/08 08:12 PM
Iodomethane	ND	0.00500	0.0150		mg/L	1	10/06/08 08:12 PM
Isopropylbenzene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
m,p-Xylene	ND	0.000600	0.00200		mg/L	1	10/06/08 08:12 PM
Methyl tert-butyl ether	0.000880	0.000300	0.00100	J	mg/L	1	10/06/08 08:12 PM
Methylene chloride	ND	0.00250	0.00250		mg/L	1	10/06/08 08:12 PM
n-Butylbenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
n-Propylbenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Naphthalene	ND	0.00500	0.00500		mg/L	1	10/06/08 08:12 PM
o-Xylene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
p-Isopropyltoluene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
sec-Butylbenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Styrene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
tert-Butylbenzene	ND	0.000300	0.00100		mg/L	1	10/06/08 08:12 PM
Tetrachloroethene	ND	0.000700	0.00200		mg/L	1	10/06/08 08:12 PM
Toluene	ND	0.000700	0.00200		mg/L	1	10/06/08 08:12 PM
trans-1,2-Dichloroethene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
trans-1,3-Dichloropropene	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Trichloroethene	ND	0.000700	0.00200		mg/L	1	10/06/08 08:12 PM
Trichlorofluoromethane	ND	0.000200	0.00100		mg/L	1	10/06/08 08:12 PM
Vinyl chloride	ND	0.000100	0.00100		mg/L	1	10/06/08 08:12 PM
Surr: 1,2-Dichloroethane-d4	103	0	72 - 119		%REC	1	10/06/08 08:12 PM
Surr: 4-Bromofluorobenzene	105	0	76 - 119		%REC	1	10/06/08 08:12 PM
Surr: Dibromofluoromethane	104	0	85 - 115		%REC	1	10/06/08 08:12 PM
Surr: Toluene-d8	93.9	0	81 - 120		%REC	1	10/06/08 08:12 PM

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

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT
 RunID: GC12_081007A

Sample ID:	LCS-31898	Batch ID:	31898	TestNo:	TX1005	Units:	mg/L			
SampType:	LCS	Run ID:	GC12_081007A	Analysis Date:	10/07/08 10:31 AM	Prep Date:	10/07/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C35	24.3	2.00	25.00	0	97.3	75	125			
Surr: Isopropylbenzene	2.22		2.500		88.8	70	130			
Surr: Octacosane	2.23		2.500		89.3	70	130			

Sample ID:	LCSD-31898	Batch ID:	31898	TestNo:	TX1005	Units:	mg/L			
SampType:	LCSD	Run ID:	GC12_081007A	Analysis Date:	10/07/08 10:40 AM	Prep Date:	10/07/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C35	24.9	2.00	25.00	0	99.7	75	125	2.48	20	
Surr: Isopropylbenzene	2.27		2.500		90.8	70	130	0	0	
Surr: Octacosane	2.25		2.500		90.2	70	130	0	0	

Sample ID:	MB-31898	Batch ID:	31898	TestNo:	TX1005	Units:	mg/L			
SampType:	MBLK	Run ID:	GC12_081007A	Analysis Date:	10/07/08 10:48 AM	Prep Date:	10/07/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C12	ND	2.00								
T/R Hydrocarbons: >C12-C28	ND	2.00								
T/R Hydrocarbons: >C28-C35	ND	2.00								
T/R Hydrocarbons: C6-C35	ND	2.00								
Surr: Isopropylbenzene	2.09		2.500		83.6	70	130			
Surr: Octacosane	2.18		2.500		87.1	70	130			

Sample ID:	0810027-01BMS	Batch ID:	31898	TestNo:	TX1005	Units:	mg/L			
SampType:	MS	Run ID:	GC12_081007A	Analysis Date:	10/07/08 11:05 AM	Prep Date:	10/07/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C35	24.8	1.94	24.29	0	102	75	125			
Surr: Isopropylbenzene	2.28		2.429		93.7	70	130			
Surr: Octacosane	2.35		2.429		96.9	70	130			

Sample ID:	0810027-01BMSD	Batch ID:	31898	TestNo:	TX1005	Units:	mg/L			
SampType:	MSD	Run ID:	GC12_081007A	Analysis Date:	10/07/08 11:14 AM	Prep Date:	10/07/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C35	26.5	1.92	24.04	0	110	75	125	6.85	20	
Surr: Isopropylbenzene	2.43		2.404		101	70	130	0	0	
Surr: Octacosane	2.59		2.404		108	70	130	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_081007A

Sample ID: ICV-081007	Batch ID: R40009	TestNo: TX1005	Units: mg/L							
SampType: ICV	Run ID: GC12_081007A	Analysis Date: 10/07/08 10:23 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C35	1140	2.00	1000	0	114	75	125			
Surr: Isopropylbenzene	50.0		50.00		100	70	130			
Surr: Octacosane	56.4		50.00		113	70	130			

Sample ID: CCV1-081001	Batch ID: R40009	TestNo: TX1005	Units: mg/L							
SampType: CCV	Run ID: GC12_081007A	Analysis Date: 10/07/08 11:22 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
T/R Hydrocarbons: C6-C35	585	2.00	500.0	0	117	75	125			
Surr: Isopropylbenzene	27.7		25.00		111	70	130			
Surr: Octacosane	29.0		25.00		116	70	130			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_081007A

Sample ID:	Batch ID:	TestNo:	Units:
MB-31893	31893	SW7470A	mg/L
SampType: MBLK	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 09:46 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	ND	0.000200	
Ref Val	%REC	LowLimit	HighLimit
Sample ID: LCS-31893	Batch ID: 31893	TestNo: SW7470A	Units: mg/L
SampType: LCS	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 09:48 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	0.00200	0.000200	0.00200
Ref Val	%REC	LowLimit	HighLimit
0	100	85	115
Sample ID: LCSD-31893	Batch ID: 31893	TestNo: SW7470A	Units: mg/L
SampType: LCSD	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 09:50 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	0.00199	0.000200	0.00200
Ref Val	%REC	LowLimit	HighLimit
0	99.5	85	115
%RPD	RPD Limit	Qual	
0.501	15		
Sample ID: 0810035-04A SD	Batch ID: 31893	TestNo: SW7470A	Units: mg/L
SampType: SD	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 09:54 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	0	0.00100	0
Ref Val	%REC	LowLimit	HighLimit
0			
%RPD	RPD Limit	Qual	
0	10		
Sample ID: 0810035-04A PDS	Batch ID: 31893	TestNo: SW7470A	Units: mg/L
SampType: PDS	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 09:56 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	0.00250	0.000200	0.00250
Ref Val	%REC	LowLimit	HighLimit
0	100	85	115
Sample ID: 0810035-04A MS	Batch ID: 31893	TestNo: SW7470A	Units: mg/L
SampType: MS	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 09:58 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	0.00190	0.000200	0.00200
Ref Val	%REC	LowLimit	HighLimit
0	95.0	80	120
Sample ID: 0810035-04A MSD	Batch ID: 31893	TestNo: SW7470A	Units: mg/L
SampType: MSD	Run ID: CETAC_HG_081007A	Analysis Date: 10/07/08 10:00 AM	Prep Date: 10/06/08
Analyte	Result	RL	SPK value
Mercury	0.00191	0.000200	0.00200
Ref Val	%REC	LowLimit	HighLimit
0	95.5	80	120
%RPD	RPD Limit	Qual	
0.525	15		

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_081007A

Sample ID:	ICV-081007	Batch ID:	R40006	TestNo:	SW7470A	Units:	mg/L				
SampType:	ICV	Run ID:	CETAC_HG_081007A	Analysis Date:	10/07/08 09:42 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00395	0.000200	0.00400	0	98.8	90	110			

Sample ID:	CCV1-081007	Batch ID:	R40006	TestNo:	SW7470A	Units:	mg/L				
SampType:	CCV	Run ID:	CETAC_HG_081007A	Analysis Date:	10/07/08 10:06 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Mercury		0.00209	0.000200	0.00200	0	104	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_081006A

Sample ID:	MB-31888	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:05 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	0.00600								
Barium	ND	0.0100								
Cadmium	ND	0.00100								
Chromium	ND	0.00600								
Lead	ND	0.00100								
Selenium	ND	0.00600								
Silver	ND	0.00200								

Sample ID:	LCS-31888	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L			
SampType:	LCS	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:15 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.203	0.00600	0.200	0	102	80	120			
Barium	0.217	0.0100	0.200	0	109	80	120			
Cadmium	0.204	0.00100	0.200	0	102	80	120			
Chromium	0.204	0.00600	0.200	0	102	80	120			
Lead	0.220	0.00100	0.200	0	110	80	120			
Selenium	0.200	0.00600	0.200	0	99.8	80	120			
Silver	0.208	0.00200	0.200	0	104	80	120			

Sample ID:	LCSD-31888	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L			
SampType:	LCSD	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:20 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.206	0.00600	0.200	0	103	80	120	1.42	15	
Barium	0.215	0.0100	0.200	0	108	80	120	0.971	15	
Cadmium	0.203	0.00100	0.200	0	102	80	120	0.246	15	
Chromium	0.203	0.00600	0.200	0	102	80	120	0.295	15	
Lead	0.217	0.00100	0.200	0	108	80	120	1.47	15	
Selenium	0.201	0.00600	0.200	0	101	80	120	0.848	15	
Silver	0.200	0.00200	0.200	0	100	80	120	3.77	15	

Sample ID:	0810027-01C SD	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L			
SampType:	SD	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:30 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0	0.0300	0	0				0	10	
Barium	0.144	0.0500	0	0.152				4.73	10	
Cadmium	0	0.00500	0	0				0	10	
Chromium	0	0.0300	0	0				0	10	
Lead	0	0.00500	0	0.00105				0	10	
Selenium	0	0.0300	0	0				0	10	
Silver	0	0.0100	0	0				0	10	

Sample ID:	0810027-01C PDS	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L
SampType:	PDS	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:36 PM	Prep Date:	10/06/08

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_081006A

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.196	0.00600	0.200	0	98.2	75	125			
Barium	0.362	0.0100	0.200	0.152	105	75	125			
Cadmium	0.179	0.00100	0.200	0	89.6	75	125			
Chromium	0.200	0.00600	0.200	0	100	75	125			
Lead	0.229	0.00100	0.200	0.00105	114	75	125			
Selenium	0.179	0.00600	0.200	0	89.4	75	125			
Silver	0.163	0.00200	0.200	0	81.3	75	125			

Sample ID:	0810027-01C MS	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L			
SampType:	MS	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:41 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.198	0.00600	0.200	0	99.2	80	120			
Barium	0.376	0.0100	0.200	0.152	112	80	120			
Cadmium	0.183	0.00100	0.200	0	91.6	80	120			
Chromium	0.197	0.00600	0.200	0	98.6	80	120			
Lead	0.224	0.00100	0.200	0.00105	111	80	120			
Selenium	0.176	0.00600	0.200	0	88.2	80	120			
Silver	0.178	0.00200	0.200	0	89.0	80	120			

Sample ID:	0810027-01C MSD	Batch ID:	31888	TestNo:	SW6020	Units:	mg/L			
SampType:	MSD	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:46 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.198	0.00600	0.200	0	99.0	80	120	0.202	15	
Barium	0.382	0.0100	0.200	0.152	115	80	120	1.56	15	
Cadmium	0.184	0.00100	0.200	0	92.2	80	120	0.598	15	
Chromium	0.198	0.00600	0.200	0	99.0	80	120	0.354	15	
Lead	0.227	0.00100	0.200	0.00105	113	80	120	1.29	15	
Selenium	0.180	0.00600	0.200	0	90.0	80	120	2.08	15	
Silver	0.180	0.00200	0.200	0	90.2	80	120	1.40	15	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_081006A

Sample ID:	ICV1-081006	Batch ID:	R39993	TestNo:	SW6020	Units:	mg/L			
SampType:	ICV	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 03:31 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.100	0.00600	0.100	0	101	90	110			
Barium	0.103	0.0100	0.100	0	103	90	110			
Cadmium	0.0966	0.00100	0.100	0	96.6	90	110			
Chromium	0.101	0.00600	0.100	0	101	90	110			
Lead	0.104	0.00100	0.100	0	104	90	110			
Selenium	0.0963	0.00600	0.100	0	96.3	90	110			
Silver	0.0956	0.00200	0.100	0	95.6	90	110			

Sample ID:	CCV1-081006	Batch ID:	R39993	TestNo:	SW6020	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS3_081006A	Analysis Date:	10/06/08 04:56 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.204	0.00600	0.200	0	102	90	110			
Barium	0.205	0.0100	0.200	0	102	90	110			
Cadmium	0.198	0.00100	0.200	0	98.8	90	110			
Chromium	0.195	0.00600	0.200	0	97.4	90	110			
Lead	0.209	0.00100	0.200	0	104	90	110			
Selenium	0.200	0.00600	0.200	0	100	90	110			
Silver	0.191	0.00200	0.200	0	95.3	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

Sample ID:	LCS-31886	Batch ID:	31886	TestNo:	SW8270C	Units:	mg/L			
SampType:	LCS	Run ID:	GCMS4_081006A	Analysis Date:	10/06/08 04:09 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	0.0330	0.00400	0.0400	0	82.5	44	142			
1,2-Dichlorobenzene	0.0316	0.00400	0.0400	0	79.0	42	155			
1,3-Dichlorobenzene	0.0306	0.00400	0.0400	0	76.5	36	125			
1,4-Dichlorobenzene	0.0316	0.00400	0.0400	0	79.0	30	125			
2,4,5-Trichlorophenol	0.0318	0.00400	0.0400	0	79.5	25	175			
2,4,6-Trichlorophenol	0.0304	0.00400	0.0400	0	76.0	39	128			
2,4-Dichlorophenol	0.0316	0.00400	0.0400	0	79.0	46	125			
2,4-Dimethylphenol	0.0314	0.00400	0.0400	0	78.5	10	139			
2,4-Dinitrophenol	0.0298	0.0200	0.0400	0	74.5	30	151			
2,4-Dinitrotoluene	0.0402	0.00400	0.0400	0	101	39	139			
2,6-Dinitrotoluene	0.0394	0.00400	0.0400	0	98.5	51	125			
2-Chloronaphthalene	0.0356	0.00400	0.0400	0	89.0	60	125			
2-Chlorophenol	0.0284	0.00400	0.0400	0	71.0	41	125			
2-Methylnaphthalene	0.0360	0.00400	0.0400	0	90.0	41	125			
2-Methylphenol	0.0290	0.00400	0.0400	0	72.5	25	125			
2-Nitroaniline	0.0392	0.00400	0.0400	0	98.0	50	125			
2-Nitrophenol	0.0316	0.00400	0.0400	0	79.0	44	125			
3,3'-Dichlorobenzidine	0.0356	0.00400	0.0400	0	89.0	29	175			
3-Nitroaniline	0.0374	0.00400	0.0400	0	93.5	51	125			
4,6-Dinitro-2-methylphenol	0.0296	0.0100	0.0400	0	74.0	26	134			
4-Bromophenyl phenyl ether	0.0372	0.00400	0.0400	0	93.0	53	127			
4-Chloro-3-methylphenol	0.0320	0.00400	0.0400	0	80.0	44	125			
4-Chloroaniline	0.0346	0.0100	0.0400	0	86.5	25	136			
4-Chlorophenyl phenyl ether	0.0374	0.00400	0.0400	0	93.5	51	132			
4-Methylphenol	0.0262	0.00400	0.0400	0	65.5	33	125			
4-Nitroaniline	0.0364	0.00400	0.0400	0	91.0	40	175			
4-Nitrophenol	0.00860	0.0200	0.0400	0	21.5	15	131			
Acenaphthene	0.0370	0.00400	0.0400	0	92.5	49	125			
Acenaphthylene	0.0450	0.00400	0.0400	0	112	60	150			
Aniline	0.0306	0.00400	0.0400	0	76.5	10	140			
Anthracene	0.0384	0.00400	0.0400	0	96.0	45	165			
Benzo[a]anthracene	0.0374	0.00400	0.0400	0	93.5	51	133			
Benzo[a]pyrene	0.0404	0.00400	0.0400	0	101	41	125			
Benzo[b]fluoranthene	0.0408	0.00400	0.0400	0	102	37	125			
Benzo[g,h,i]perylene	0.0314	0.00400	0.0400	0	78.5	34	149			
Benzo[k]fluoranthene	0.0388	0.00400	0.0400	0	97.0	34	149			
Benzyl alcohol	0.0278	0.0100	0.0400	0	69.5	35	125			
Bis(2-chloroethoxy)methane	0.0368	0.00400	0.0400	0	92.0	49	125			
Bis(2-chloroethyl)ether	0.0328	0.00400	0.0400	0	82.0	44	125			
Bis(2-chloroisopropyl)ether	0.0332	0.00400	0.0400	0	83.0	36	166			
Bis(2-ethylhexyl)phthalate	0.0398	0.00400	0.0400	0	99.5	33	129			
Butyl benzyl phthalate	0.0384	0.0100	0.0400	0	96.0	26	125			
Carbazole	0.0370	0.00400	0.0400	0	92.5	26	125			
Chrysene	0.0376	0.00400	0.0400	0	94.0	55	133			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

Di-n-butyl phthalate	0.0406	0.0100	0.0400	0	102	34	126
Di-n-octyl phthalate	0.0414	0.0100	0.0400	0	104	70	145
Dibenz[a,h]anthracene	0.0320	0.00400	0.0400	0	80.0	50	125
Dibenzofuran	0.0362	0.00400	0.0400	0	90.5	52	125
Diethyl phthalate	0.0390	0.0100	0.0400	0	97.5	37	125
Dimethyl phthalate	0.0382	0.0100	0.0400	0	95.5	25	175
Fluoranthene	0.0370	0.00400	0.0400	0	92.5	47	125
Fluorene	0.0382	0.00400	0.0400	0	95.5	48	139
Hexachlorobenzene	0.0374	0.00400	0.0400	0	93.5	46	133
Hexachlorobutadiene	0.0342	0.00400	0.0400	0	85.5	25	125
Hexachlorocyclopentadiene	0.0274	0.0100	0.0400	0	68.5	20	125
Hexachloroethane	0.0318	0.00400	0.0400	0	79.5	25	153
Indeno[1,2,3-cd]pyrene	0.0328	0.00400	0.0400	0	82.0	27	160
Isophorone	0.0372	0.00400	0.0400	0	93.0	26	175
N-Nitrosodi-n-propylamine	0.0360	0.00400	0.0400	0	90.0	37	125
N-Nitrosodiphenylamine	0.0372	0.00400	0.0400	0	93.0	27	125
Naphthalene	0.0336	0.00400	0.0400	0	84.0	50	125
Nitrobenzene	0.0342	0.00400	0.0400	0	85.5	46	133
Pentachlorophenol	0.0252	0.00400	0.0400	0	63.0	28	136
Phenanthrene	0.0376	0.00400	0.0400	0	94.0	54	125
Phenol	0.0152	0.00400	0.0400	0	38.0	15	125
Pyrene	0.0366	0.00400	0.0400	0	91.5	47	136
Surr: 2,4,6-Tribromophenol	84.4		80.00		106	53	155
Surr: 2-Fluorobiphenyl	71.8		80.00		89.8	55	130
Surr: 2-Fluorophenol	49.8		80.00		62.3	25	120
Surr: 4-Terphenyl-d14	80.0		80.00		100	51	135
Surr: Nitrobenzene-d5	77.8		80.00		97.3	55	124
Surr: Phenol-d6	36.8		80.00		46.0	20	120

Sample ID:	LCSD-31886	Batch ID:	31886	TestNo:	SW8270C	Units:	mg/L			
SampType:	LCSD	Run ID:	GCMS4_081006A	Analysis Date:	10/06/08 04:34 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	0.0326	0.00400	0.0400	0	81.5	44	142	1.22	20	
1,2-Dichlorobenzene	0.0318	0.00400	0.0400	0	79.5	42	155	0.631	20	
1,3-Dichlorobenzene	0.0318	0.00400	0.0400	0	79.5	36	125	3.85	20	
1,4-Dichlorobenzene	0.0314	0.00400	0.0400	0	78.5	30	125	0.635	20	
2,4,5-Trichlorophenol	0.0316	0.00400	0.0400	0	79.0	25	175	0.631	20	
2,4,6-Trichlorophenol	0.0302	0.00400	0.0400	0	75.5	39	128	0.660	20	
2,4-Dichlorophenol	0.0308	0.00400	0.0400	0	77.0	46	125	2.56	20	
2,4-Dimethylphenol	0.0296	0.00400	0.0400	0	74.0	10	139	5.90	20	
2,4-Dinitrophenol	0.0262	0.0200	0.0400	0	65.5	30	151	12.9	20	
2,4-Dinitrotoluene	0.0382	0.00400	0.0400	0	95.5	39	139	5.10	20	
2,6-Dinitrotoluene	0.0382	0.00400	0.0400	0	95.5	51	125	3.09	20	
2-Chloronaphthalene	0.0348	0.00400	0.0400	0	87.0	60	125	2.27	20	
2-Chlorophenol	0.0284	0.00400	0.0400	0	71.0	41	125	0	20	
2-Methylnaphthalene	0.0350	0.00400	0.0400	0	87.5	41	125	2.82	20	
2-Methylphenol	0.0290	0.00400	0.0400	0	72.5	25	125	0	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

2-Nitroaniline	0.0374	0.00400	0.0400	0	93.5	50	125	4.70	20
2-Nitrophenol	0.0310	0.00400	0.0400	0	77.5	44	125	1.92	20
3,3'-Dichlorobenzidine	0.0348	0.00400	0.0400	0	87.0	29	175	2.27	20
3-Nitroaniline	0.0370	0.00400	0.0400	0	92.5	51	125	1.08	20
4,6-Dinitro-2-methylphenol	0.0262	0.0100	0.0400	0	65.5	26	134	12.2	20
4-Bromophenyl phenyl ether	0.0370	0.00400	0.0400	0	92.5	53	127	0.539	20
4-Chloro-3-methylphenol	0.0318	0.00400	0.0400	0	79.5	44	125	0.627	20
4-Chloroaniline	0.0354	0.0100	0.0400	0	88.5	25	136	2.29	20
4-Chlorophenyl phenyl ether	0.0372	0.00400	0.0400	0	93.0	51	132	0.536	20
4-Methylphenol	0.0258	0.00400	0.0400	0	64.5	33	125	1.54	20
4-Nitroaniline	0.0362	0.00400	0.0400	0	90.5	40	175	0.551	20
4-Nitrophenol	0.00800	0.0200	0.0400	0	20.0	15	131	7.23	20
Acenaphthene	0.0364	0.00400	0.0400	0	91.0	49	125	1.63	20
Acenaphthylene	0.0442	0.00400	0.0400	0	110	60	150	1.79	20
Aniline	0.0292	0.00400	0.0400	0	73.0	10	140	4.68	20
Anthracene	0.0376	0.00400	0.0400	0	94.0	45	165	2.11	20
Benzo[a]anthracene	0.0374	0.00400	0.0400	0	93.5	51	133	0	20
Benzo[a]pyrene	0.0394	0.00400	0.0400	0	98.5	41	125	2.51	20
Benzo[b]fluoranthene	0.0430	0.00400	0.0400	0	108	37	125	5.25	20
Benzo[g,h,i]perylene	0.0278	0.00400	0.0400	0	69.5	34	149	12.2	20
Benzo[k]fluoranthene	0.0372	0.00400	0.0400	0	93.0	34	149	4.21	20
Benzyl alcohol	0.0274	0.0100	0.0400	0	68.5	35	125	1.45	20
Bis(2-chloroethoxy)methane	0.0356	0.00400	0.0400	0	89.0	49	125	3.31	20
Bis(2-chloroethyl)ether	0.0336	0.00400	0.0400	0	84.0	44	125	2.41	20
Bis(2-chloroisopropyl)ether	0.0326	0.00400	0.0400	0	81.5	36	166	1.82	20
Bis(2-ethylhexyl)phthalate	0.0394	0.00400	0.0400	0	98.5	33	129	1.01	20
Butyl benzyl phthalate	0.0382	0.0100	0.0400	0	95.5	26	125	0.522	20
Carbazole	0.0364	0.00400	0.0400	0	91.0	26	125	1.63	20
Chrysene	0.0366	0.00400	0.0400	0	91.5	55	133	2.70	20
Di-n-butyl phthalate	0.0396	0.0100	0.0400	0	99.0	34	126	2.49	20
Di-n-octyl phthalate	0.0402	0.0100	0.0400	0	101	70	145	2.94	20
Dibenz[a,h]anthracene	0.0294	0.00400	0.0400	0	73.5	50	125	8.47	20
Dibenzofuran	0.0358	0.00400	0.0400	0	89.5	52	125	1.11	20
Diethyl phthalate	0.0390	0.0100	0.0400	0	97.5	37	125	0	20
Dimethyl phthalate	0.0380	0.0100	0.0400	0	95.0	25	175	0.525	20
Fluoranthene	0.0370	0.00400	0.0400	0	92.5	47	125	0	20
Fluorene	0.0368	0.00400	0.0400	0	92.0	48	139	3.73	20
Hexachlorobenzene	0.0364	0.00400	0.0400	0	91.0	46	133	2.71	20
Hexachlorobutadiene	0.0330	0.00400	0.0400	0	82.5	25	125	3.57	20
Hexachlorocyclopentadiene	0.0268	0.0100	0.0400	0	67.0	20	125	2.21	20
Hexachloroethane	0.0320	0.00400	0.0400	0	80.0	25	153	0.627	20
Indeno[1,2,3-cd]pyrene	0.0298	0.00400	0.0400	0	74.5	27	160	9.58	20
Isophorone	0.0368	0.00400	0.0400	0	92.0	26	175	1.08	20
N-Nitrosodi-n-propylamine	0.0354	0.00400	0.0400	0	88.5	37	125	1.68	20
N-Nitrosodiphenylamine	0.0368	0.00400	0.0400	0	92.0	27	125	1.08	20
Naphthalene	0.0340	0.00400	0.0400	0	85.0	50	125	1.18	20
Nitrobenzene	0.0340	0.00400	0.0400	0	85.0	46	133	0.587	20

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

Pentachlorophenol	0.0244	0.00400	0.0400	0	61.0	28	136	3.23	20
Phenanthrene	0.0364	0.00400	0.0400	0	91.0	54	125	3.24	20
Phenol	0.0150	0.00400	0.0400	0	37.5	15	125	1.32	20
Pyrene	0.0358	0.00400	0.0400	0	89.5	47	136	2.21	20
Surr: 2,4,6-Tribromophenol	73.4		80.00		91.8	53	155	0	0
Surr: 2-Fluorobiphenyl	60.6		80.00		75.8	55	130	0	0
Surr: 2-Fluorophenol	46.0		80.00		57.5	25	120	0	0
Surr: 4-Terphenyl-d14	69.4		80.00		86.8	51	135	0	0
Surr: Nitrobenzene-d5	70.2		80.00		87.8	55	124	0	0
Surr: Phenol-d6	33.6		80.00		42.0	20	120	0	0

Sample ID: MB-31886 Batch ID: 31886 TestNo: SW8270C Units: mg/L
 SampType: MBLK Run ID: GCMS4_081006A Analysis Date: 10/06/08 06:41 PM Prep Date: 10/06/08

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	ND	0.00400								
1,2-Dichlorobenzene	ND	0.00400								
1,3-Dichlorobenzene	ND	0.00400								
1,4-Dichlorobenzene	ND	0.00400								
2,4,5-Trichlorophenol	ND	0.00400								
2,4,6-Trichlorophenol	ND	0.00400								
2,4-Dichlorophenol	ND	0.00400								
2,4-Dimethylphenol	ND	0.00400								
2,4-Dinitrophenol	ND	0.0200								
2,4-Dinitrotoluene	ND	0.00400								
2,6-Dinitrotoluene	ND	0.00400								
2-Chloronaphthalene	ND	0.00400								
2-Chlorophenol	ND	0.00400								
2-Methylnaphthalene	ND	0.00400								
2-Methylphenol	ND	0.00400								
2-Nitroaniline	ND	0.00400								
2-Nitrophenol	ND	0.00400								
3,3'-Dichlorobenzidine	ND	0.00400								
3-Nitroaniline	ND	0.00400								
4,6-Dinitro-2-methylphenol	ND	0.0100								
4-Bromophenyl phenyl ether	ND	0.00400								
4-Chloro-3-methylphenol	ND	0.00400								
4-Chloroaniline	ND	0.0100								
4-Chlorophenyl phenyl ether	ND	0.00400								
4-Methylphenol	ND	0.00400								
4-Nitroaniline	ND	0.00400								
4-Nitrophenol	ND	0.0200								
Acenaphthene	ND	0.00400								
Acenaphthylene	ND	0.00400								
Aniline	ND	0.00400								
Anthracene	ND	0.00400								
Benzo[a]anthracene	ND	0.00400								
Benzo[a]pyrene	ND	0.00400								

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

Benzo[b]fluoranthene	ND	0.00400				
Benzo[g,h,i]perylene	ND	0.00400				
Benzo[k]fluoranthene	ND	0.00400				
Benzyl alcohol	ND	0.0100				
Bis(2-chloroethoxy)methane	ND	0.00400				
Bis(2-chloroethyl)ether	ND	0.00400				
Bis(2-chloroisopropyl)ether	ND	0.00400				
Bis(2-ethylhexyl)phthalate	ND	0.00400				
Butyl benzyl phthalate	ND	0.0100				
Carbazole	ND	0.00400				
Chrysene	ND	0.00400				
Di-n-butyl phthalate	ND	0.0100				
Di-n-octyl phthalate	ND	0.0100				
Dibenz[a,h]anthracene	ND	0.00400				
Dibenzofuran	ND	0.00400				
Diethyl phthalate	ND	0.0100				
Dimethyl phthalate	ND	0.0100				
Fluoranthene	ND	0.00400				
Fluorene	ND	0.00400				
Hexachlorobenzene	ND	0.00400				
Hexachlorobutadiene	ND	0.00400				
Hexachlorocyclopentadiene	ND	0.0100				
Hexachloroethane	ND	0.00400				
Indeno[1,2,3-cd]pyrene	ND	0.00400				
Isophorone	ND	0.00400				
N-Nitrosodi-n-propylamine	ND	0.00400				
N-Nitrosodiphenylamine	ND	0.00400				
Naphthalene	ND	0.00400				
Nitrobenzene	ND	0.00400				
Pentachlorophenol	ND	0.00400				
Phenanthrene	ND	0.00400				
Phenol	ND	0.00400				
Pyrene	ND	0.00400				
Surr: 2,4,6-Tribromophenol	78.2		80.00	97.8	53	155
Surr: 2-Fluorobiphenyl	71.8		80.00	89.8	55	130
Surr: 2-Fluorophenol	50.4		80.00	63.0	25	120
Surr: 4-Terphenyl-d14	75.4		80.00	94.3	51	135
Surr: Nitrobenzene-d5	76.2		80.00	95.2	55	124
Surr: Phenol-d6	36.2		80.00	45.2	20	120

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

Sample ID:	ICV-081006	Batch ID:	R39995	TestNo:	SW8270C	Units:	mg/L			
SampType:	ICV	Run ID:	GCMS4_081006A	Analysis Date:	10/06/08 03:44 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	3.80	0.00400	4.00	0	95.0	70	130			
1,2-Dichlorobenzene	3.90	0.00400	4.00	0	97.5	70	130			
1,3-Dichlorobenzene	3.87	0.00400	4.00	0	96.8	70	130			
1,4-Dichlorobenzene	3.89	0.00400	4.00	0	97.2	80	120			
2,4,5-Trichlorophenol	3.97	0.00400	4.00	0	99.2	70	130			
2,4,6-Trichlorophenol	3.78	0.00400	4.00	0	94.5	80	120			
2,4-Dichlorophenol	4.02	0.00400	4.00	0	101	80	120			
2,4-Dimethylphenol	3.20	0.00400	4.00	0	80.0	70	130			
2,4-Dinitrophenol	3.75	0.0200	4.00	0	93.8	70	130			
2,4-Dinitrotoluene	3.92	0.00400	4.00	0	98.0	70	130			
2,6-Dinitrotoluene	3.91	0.00400	4.00	0	97.8	70	130			
2-Chloronaphthalene	3.72	0.00400	4.00	0	93.0	70	130			
2-Chlorophenol	3.95	0.00400	4.00	0	98.8	70	130			
2-Methylnaphthalene	3.87	0.00400	4.00	0	96.8	70	130			
2-Methylphenol	3.78	0.00400	4.00	0	94.5	70	130			
2-Nitroaniline	4.13	0.00400	4.00	0	103	70	130			
2-Nitrophenol	3.99	0.00400	4.00	0	99.8	80	120			
3,3'-Dichlorobenzidine	3.76	0.00400	4.00	0	94.0	70	130			
3-Nitroaniline	4.17	0.00400	4.00	0	104	70	130			
4,6-Dinitro-2-methylphenol	3.67	0.0100	4.00	0	91.8	70	130			
4-Bromophenyl phenyl ether	3.79	0.00400	4.00	0	94.8	70	130			
4-Chloro-3-methylphenol	4.04	0.00400	4.00	0	101	70	130			
4-Chloroaniline	3.90	0.0100	4.00	0	97.5	70	130			
4-Chlorophenyl phenyl ether	3.74	0.00400	4.00	0	93.5	80	120			
4-Methylphenol	3.89	0.00400	4.00	0	97.2	70	130			
4-Nitroaniline	4.06	0.00400	4.00	0	102	70	130			
4-Nitrophenol	3.11	0.0200	4.00	0	77.8	70	130			
Acenaphthene	3.70	0.00400	4.00	0	92.5	80	120			
Acenaphthylene	3.97	0.00400	4.00	0	99.2	70	130			
Aniline	3.76	0.00400	4.00	0	94.0	70	130			
Anthracene	3.68	0.00400	4.00	0	92.0	70	130			
Benzo[a]anthracene	3.51	0.00400	4.00	0	87.8	70	130			
Benzo[a]pyrene	3.80	0.00400	4.00	0	95.0	80	120			
Benzo[b]fluoranthene	4.16	0.00400	4.00	0	104	70	130			
Benzo[g,h,i]perylene	2.80	0.00400	4.00	0	70.0	70	130			
Benzo[k]fluoranthene	3.33	0.00400	4.00	0	83.2	70	130			
Benzyl alcohol	4.02	0.0100	4.00	0	101	70	130			
Bis(2-chloroethoxy)methane	3.93	0.00400	4.00	0	98.2	70	130			
Bis(2-chloroethyl)ether	3.85	0.00400	4.00	0	96.2	70	130			
Bis(2-chloroisopropyl)ether	3.77	0.00400	4.00	0	94.2	70	130			
Bis(2-ethylhexyl)phthalate	3.61	0.00400	4.00	0	90.2	70	130			
Butyl benzyl phthalate	3.60	0.0100	4.00	0	90.0	70	130			
Carbazole	3.63	0.00400	4.00	0	90.8	70	130			
Chrysene	3.54	0.00400	4.00	0	88.5	70	130			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS4_081006A

Di-n-butyl phthalate	3.80	0.0100	4.00	0	95.0	70	130
Di-n-octyl phthalate	3.80	0.0100	4.00	0	95.0	80	120
Dibenz[a,h]anthracene	3.02	0.00400	4.00	0	75.5	70	130
Dibenzofuran	3.74	0.00400	4.00	0	93.5	70	130
Diethyl phthalate	3.93	0.0100	4.00	0	98.2	70	130
Dimethyl phthalate	3.75	0.0100	4.00	0	93.8	70	130
Fluoranthene	3.56	0.00400	4.00	0	89.0	80	120
Fluorene	3.92	0.00400	4.00	0	98.0	70	130
Hexachlorobenzene	3.80	0.00400	4.00	0	95.0	70	130
Hexachlorobutadiene	3.77	0.00400	4.00	0	94.2	80	120
Hexachlorocyclopentadiene	2.79	0.0100	4.00	0	69.8	70	130
Hexachloroethane	3.94	0.00400	4.00	0	98.5	70	130
Indeno[1,2,3-cd]pyrene	3.02	0.00400	4.00	0	75.5	70	130
Isophorone	3.85	0.00400	4.00	0	96.2	70	130
N-Nitrosodi-n-propylamine	3.98	0.00400	4.00	0	99.5	70	130
N-Nitrosodiphenylamine	3.57	0.00400	4.00	0	89.2	80	120
Naphthalene	3.82	0.00400	4.00	0	95.5	70	130
Nitrobenzene	3.91	0.00400	4.00	0	97.8	70	130
Pentachlorophenol	3.83	0.00400	4.00	0	95.8	80	120
Phenanthrene	3.74	0.00400	4.00	0	93.5	70	130
Phenol	4.00	0.00400	4.00	0	100	80	120
Pyrene	3.45	0.00400	4.00	0	86.2	70	130
Surr: 2,4,6-Tribromophenol	3720		4000		93.0	80	120
Surr: 2-Fluorobiphenyl	3620		4000		90.5	80	120
Surr: 2-Fluorophenol	3810		4000		95.2	80	120
Surr: 4-Terphenyl-d14	3360		4000		84.0	80	120
Surr: Nitrobenzene-d5	3800		4000		95.0	80	120
Surr: Phenol-d6	3840		4000		96.0	80	120

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_081006A

Sample ID:	LCS-31891	Batch ID:	31891	TestNo:	SW8260B	Units:	mg/L			
SampType:	LCS	Run ID:	GCMS5_081006A	Analysis Date:	10/06/08 03:41 PM	Prep Date:	10/06/08			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0232	0.00100	0.0232	0	100	81	129			
1,1,1-Trichloroethane	0.0255	0.00100	0.0232	0	110	67	132			
1,1,2,2-Tetrachloroethane	0.0208	0.00100	0.0232	0	89.9	63	128			
1,1,2-Trichloroethane	0.0250	0.00100	0.0232	0	108	75	125			
1,1-Dichloroethane	0.0252	0.00100	0.0232	0	109	69	133			
1,1-Dichloroethene	0.0255	0.00100	0.0232	0	110	68	130			
1,1-Dichloropropene	0.0262	0.00100	0.0232	0	113	73	132			
1,2,3-Trichlorobenzene	0.0308	0.00500	0.0232	0	133	67	137			
1,2,3-Trichloropropane	0.0206	0.00100	0.0232	0	88.7	73	124			
1,2,4-Trichlorobenzene	0.0296	0.00500	0.0232	0	128	66	134			
1,2,4-Trimethylbenzene	0.0231	0.00500	0.0232	0	99.5	74	132			
1,2-Dibromo-3-chloropropane	0.0276	0.00500	0.0232	0	119	50	132			
1,2-Dibromoethane	0.0221	0.00100	0.0232	0	95.4	80	121			
1,2-Dichlorobenzene	0.0218	0.00100	0.0232	0	94.1	75	125			
1,2-Dichloroethane	0.0244	0.00100	0.0232	0	105	68	127			
1,2-Dichloropropane	0.0256	0.00100	0.0232	0	110	75	125			
1,3,5-Trimethylbenzene	0.0231	0.00500	0.0232	0	99.4	74	131			
1,3-Dichlorobenzene	0.0226	0.00100	0.0232	0	97.6	75	124			
1,3-Dichloropropane	0.0224	0.00100	0.0232	0	96.5	73	126			
1,4-Dichlorobenzene	0.0229	0.00100	0.0232	0	98.9	74	123			
2,2-Dichloropropane	0.0268	0.00100	0.0232	0	115	69	137			
2-Butanone	0.0222	0.0150	0.0232	0	95.8	49	136			
2-Chloroethylvinylether	0.0238	0.0150	0.0232	0	103	50	150			
2-Chlorotoluene	0.0233	0.00100	0.0232	0	101	73	126			
2-Hexanone	0.0363	0.0150	0.0232	0	157	50	150			S
4-Chlorotoluene	0.0237	0.00100	0.0232	0	102	74	128			
4-Methyl-2-pentanone	0.0207	0.0150	0.0232	0	89.3	58	134			
Acetone	0.0223	0.0150	0.0232	0	96.0	40	135			
Benzene	0.0254	0.00100	0.0232	0	109	81	120			
Bromobenzene	0.0231	0.00100	0.0232	0	99.4	76	124			
Bromochloromethane	0.0255	0.00100	0.0232	0	110	65	129			
Bromodichloromethane	0.0254	0.00100	0.0232	0	110	76	121			
Bromoform	0.0197	0.00100	0.0232	0	85.0	69	128			
Bromomethane	0.0270	0.00100	0.0232	0	116	53	141			
Carbon disulfide	0.0245	0.0150	0.0232	0	106	50	150			
Carbon tetrachloride	0.0262	0.00100	0.0232	0	113	66	138			
Chlorobenzene	0.0229	0.00100	0.0232	0	98.9	81	122			
Chloroethane	0.0250	0.00100	0.0232	0	108	58	133			
Chloroform	0.0252	0.00100	0.0232	0	109	69	128			
Chloromethane	0.0255	0.00100	0.0232	0	110	56	131			
cis-1,2-Dichloroethene	0.0261	0.00100	0.0232	0	113	72	126			
cis-1,3-Dichloropropene	0.0261	0.00100	0.0232	0	112	69	131			
Dibromochloromethane	0.0228	0.00100	0.0232	0	98.2	66	133			
Dibromomethane	0.0252	0.00100	0.0232	0	109	76	125			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_081006A

Dichlorodifluoromethane	0.0249	0.00100	0.0232	0	107	53	153
Ethylbenzene	0.0232	0.00100	0.0232	0	99.8	80	120
Hexachlorobutadiene	0.0249	0.00300	0.0232	0	107	67	131
Iodomethane	0.0222	0.0150	0.0232	0	95.5	50	150
Isopropylbenzene	0.0237	0.00100	0.0232	0	102	75	127
m,p-Xylene	0.0475	0.00200	0.0464	0	102	80	120
Methyl tert-butyl ether	0.0251	0.00100	0.0232	0	108	68	123
Methylene chloride	0.0253	0.00250	0.0232	0	109	63	137
n-Butylbenzene	0.0246	0.00100	0.0232	0	106	69	137
n-Propylbenzene	0.0240	0.00100	0.0232	0	103	72	129
Naphthalene	0.0312	0.00500	0.0232	0	134	54	138
o-Xylene	0.0239	0.00100	0.0232	0	103	80	120
p-Isopropyltoluene	0.0241	0.00100	0.0232	0	104	73	130
sec-Butylbenzene	0.0239	0.00100	0.0232	0	103	72	127
Styrene	0.0226	0.00100	0.0232	0	97.4	65	134
tert-Butylbenzene	0.0235	0.00100	0.0232	0	101	70	129
Tetrachloroethene	0.0236	0.00200	0.0232	0	102	66	128
Toluene	0.0256	0.00200	0.0232	0	110	80	120
trans-1,2-Dichloroethene	0.0255	0.00100	0.0232	0	110	63	137
trans-1,3-Dichloropropene	0.0260	0.00100	0.0232	0	112	59	135
Trichloroethene	0.0257	0.00200	0.0232	0	111	70	127
Trichlorofluoromethane	0.0255	0.00100	0.0232	0	110	57	129
Vinyl chloride	0.0254	0.00100	0.0232	0	109	50	134
Surr: 1,2-Dichloroethane-d4	192		200.0		96.0	72	119
Surr: 4-Bromofluorobenzene	208		200.0		104	76	119
Surr: Dibromofluoromethane	206		200.0		103	85	115
Surr: Toluene-d8	186		200.0		92.9	81	120

Sample ID: 0809192-01BMS	Batch ID: 31891	TestNo: SW8260B	Units: mg/L							
SampType: MS	Run ID: GCMS5_081006A	Analysis Date: 10/06/08 09:01 PM	Prep Date: 10/06/08							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.259	0.0100	0.232	0	112	68	130			
Benzene	0.252	0.0100	0.232	0	108	81	120			
Chlorobenzene	0.223	0.0100	0.232	0	96.2	81	122			
Toluene	0.252	0.0200	0.232	0	109	80	120			
Trichloroethene	0.276	0.0200	0.232	0	119	70	127			
Surr: 1,2-Dichloroethane-d4	2070		2000		104	72	119			
Surr: 4-Bromofluorobenzene	2050		2000		102	76	119			
Surr: Dibromofluoromethane	2100		2000		105	85	115			
Surr: Toluene-d8	1860		2000		93.1	81	120			

Sample ID: 0809192-01BMSD	Batch ID: 31891	TestNo: SW8260B	Units: mg/L							
SampType: MSD	Run ID: GCMS5_081006A	Analysis Date: 10/06/08 09:26 PM	Prep Date: 10/06/08							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.257	0.0100	0.232	0	111	68	130	1.09	20	
Benzene	0.250	0.0100	0.232	0	108	81	120	0.758	20	
Chlorobenzene	0.222	0.0100	0.232	0	95.9	81	122	0.314	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_081006A

Toluene	0.253	0.0200	0.232	0	109	80	120	0.316	20
Trichloroethene	0.280	0.0200	0.232	0	121	70	127	1.30	20
Surr: 1,2-Dichloroethane-d4	2040		2000		102	72	119	0	0
Surr: 4-Bromofluorobenzene	2040		2000		102	76	119	0	0
Surr: Dibromofluoromethane	2070		2000		103	85	115	0	0
Surr: Toluene-d8	1860		2000		93.0	81	120	0	0

Sample ID: MB-31891 Batch ID: 31891 TestNo: SW8260B Units: mg/L
 SampType: MBLK Run ID: GCMS5_081006A Analysis Date: 10/06/08 07:23 PM Prep Date: 10/06/08

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.00100								
1,1,1-Trichloroethane	ND	0.00100								
1,1,1,2-Tetrachloroethane	ND	0.00100								
1,1,2-Trichloroethane	ND	0.00100								
1,1-Dichloroethane	ND	0.00100								
1,1-Dichloroethene	ND	0.00100								
1,1-Dichloropropene	ND	0.00100								
1,2,3-Trichlorobenzene	ND	0.00500								
1,2,3-Trichloropropane	ND	0.00100								
1,2,4-Trichlorobenzene	ND	0.00500								
1,2,4-Trimethylbenzene	ND	0.00500								
1,2-Dibromo-3-chloropropane	ND	0.00500								
1,2-Dibromoethane	ND	0.00100								
1,2-Dichlorobenzene	ND	0.00100								
1,2-Dichloroethane	ND	0.00100								
1,2-Dichloropropane	ND	0.00100								
1,3,5-Trimethylbenzene	ND	0.00500								
1,3-Dichlorobenzene	ND	0.00100								
1,3-Dichloropropane	ND	0.00100								
1,4-Dichlorobenzene	ND	0.00100								
2,2-Dichloropropane	ND	0.00100								
2-Butanone	ND	0.0150								
2-Chloroethylvinylether	ND	0.0150								
2-Chlorotoluene	ND	0.00100								
2-Hexanone	ND	0.0150								
4-Chlorotoluene	ND	0.00100								
4-Methyl-2-pentanone	ND	0.0150								
Acetone	ND	0.0150								
Benzene	ND	0.00100								
Bromobenzene	ND	0.00100								
Bromochloromethane	ND	0.00100								
Bromodichloromethane	ND	0.00100								
Bromoform	ND	0.00100								
Bromomethane	ND	0.00100								
Carbon disulfide	ND	0.0150								
Carbon tetrachloride	ND	0.00100								
Chlorobenzene	ND	0.00100								

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_081006A

Chloroethane	ND	0.00100				
Chloroform	ND	0.00100				
Chloromethane	ND	0.00100				
cis-1,2-Dichloroethene	ND	0.00100				
cis-1,3-Dichloropropene	ND	0.00100				
Dibromochloromethane	ND	0.00100				
Dibromomethane	ND	0.00100				
Dichlorodifluoromethane	ND	0.00100				
Ethylbenzene	ND	0.00100				
Hexachlorobutadiene	ND	0.00300				
Iodomethane	ND	0.0150				
Isopropylbenzene	ND	0.00100				
m,p-Xylene	ND	0.00200				
Methyl tert-butyl ether	ND	0.00100				
Methylene chloride	ND	0.00250				
n-Butylbenzene	ND	0.00100				
n-Propylbenzene	ND	0.00100				
Naphthalene	ND	0.00500				
o-Xylene	ND	0.00100				
p-Isopropyltoluene	ND	0.00100				
sec-Butylbenzene	ND	0.00100				
Styrene	ND	0.00100				
tert-Butylbenzene	ND	0.00100				
Tetrachloroethene	ND	0.00200				
Toluene	ND	0.00200				
trans-1,2-Dichloroethene	ND	0.00100				
trans-1,3-Dichloropropene	ND	0.00100				
Trichloroethene	ND	0.00200				
Trichlorofluoromethane	ND	0.00100				
Vinyl chloride	ND	0.00100				
Surr: 1,2-Dichloroethane-d4	201		200.0	101	72	119
Surr: 4-Bromofluorobenzene	211		200.0	105	76	119
Surr: Dibromofluoromethane	206		200.0	103	85	115
Surr: Toluene-d8	189		200.0	94.4	81	120

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_081006A

Sample ID:	ICV-081006	Batch ID:	R39998	TestNo:	SW8260B	Units:	mg/L			
SampType:	ICV	Run ID:	GCMS5_081006A	Analysis Date:	10/06/08 03:07 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	0.0477	0.00100	0.0464	0	103	70	130			
1,1,1-Trichloroethane	0.0512	0.00100	0.0464	0	110	70	130			
1,1,2,2-Tetrachloroethane	0.0414	0.00100	0.0464	0	89.2	70	130			
1,1,2-Trichloroethane	0.0517	0.00100	0.0464	0	111	70	130			
1,1-Dichloroethane	0.0510	0.00100	0.0464	0	110	70	130			
1,1-Dichloroethene	0.0519	0.00100	0.0464	0	112	80	120			
1,1-Dichloropropene	0.0529	0.00100	0.0464	0	114	70	130			
1,2,3-Trichlorobenzene	0.0341	0.00500	0.0464	0	73.4	70	130			
1,2,3-Trichloropropane	0.0417	0.00100	0.0464	0	89.9	70	130			
1,2,4-Trichlorobenzene	0.0367	0.00500	0.0464	0	79.1	70	130			
1,2,4-Trimethylbenzene	0.0453	0.00500	0.0464	0	97.6	70	130			
1,2-Dibromo-3-chloropropane	0.0403	0.00500	0.0464	0	86.8	70	130			
1,2-Dibromoethane	0.0452	0.00100	0.0464	0	97.4	70	130			
1,2-Dichlorobenzene	0.0422	0.00100	0.0464	0	91.1	70	130			
1,2-Dichloroethane	0.0495	0.00100	0.0464	0	107	70	130			
1,2-Dichloropropane	0.0514	0.00100	0.0464	0	111	80	120			
1,3,5-Trimethylbenzene	0.0457	0.00500	0.0464	0	98.5	70	130			
1,3-Dichlorobenzene	0.0450	0.00100	0.0464	0	96.9	70	130			
1,3-Dichloropropane	0.0451	0.00100	0.0464	0	97.3	70	130			
1,4-Dichlorobenzene	0.0441	0.00100	0.0464	0	95.1	70	130			
2,2-Dichloropropane	0.0547	0.00100	0.0464	0	118	70	130			
2-Butanone	0.0477	0.0150	0.0464	0	103	70	130			
2-Chloroethylvinylether	0.0516	0.0150	0.0464	0	111	70	130			
2-Chlorotoluene	0.0459	0.00100	0.0464	0	98.9	70	130			
2-Hexanone	0.0676	0.0150	0.0464	0	146	70	130			S
4-Chlorotoluene	0.0471	0.00100	0.0464	0	102	70	130			
4-Methyl-2-pentanone	0.0442	0.0150	0.0464	0	95.2	70	130			
Acetone	0.0439	0.0150	0.0464	0	94.6	70	130			
Benzene	0.0511	0.00100	0.0464	0	110	70	130			
Bromobenzene	0.0452	0.00100	0.0464	0	97.3	70	130			
Bromochloromethane	0.0513	0.00100	0.0464	0	111	70	130			
Bromodichloromethane	0.0520	0.00100	0.0464	0	112	70	130			
Bromoform	0.0419	0.00100	0.0464	0	90.2	70	130			
Bromomethane	0.0504	0.00100	0.0464	0	109	70	130			
Carbon disulfide	0.0496	0.0150	0.0464	0	107	70	130			
Carbon tetrachloride	0.0545	0.00100	0.0464	0	117	70	130			
Chlorobenzene	0.0452	0.00100	0.0464	0	97.5	70	130			
Chloroethane	0.0472	0.00100	0.0464	0	102	70	130			
Chloroform	0.0511	0.00100	0.0464	0	110	80	120			
Chloromethane	0.0495	0.00100	0.0464	0	107	70	130			
cis-1,2-Dichloroethene	0.0533	0.00100	0.0464	0	115	70	130			
cis-1,3-Dichloropropene	0.0536	0.00100	0.0464	0	116	70	130			
Dibromochloromethane	0.0472	0.00100	0.0464	0	102	70	130			
Dibromomethane	0.0514	0.00100	0.0464	0	111	70	130			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_081006A

Dichlorodifluoromethane	0.0492	0.00100	0.0464	0	106	70	130
Ethylbenzene	0.0461	0.00100	0.0464	0	99.4	80	120
Hexachlorobutadiene	0.0368	0.00300	0.0464	0	79.4	70	130
Iodomethane	0.0467	0.0150	0.0464	0	101	70	130
Isopropylbenzene	0.0474	0.00100	0.0464	0	102	70	130
m,p-Xylene	0.0943	0.00200	0.0928	0	102	70	130
Methyl tert-butyl ether	0.0523	0.00100	0.0464	0	113	70	130
Methylene chloride	0.0510	0.00250	0.0464	0	110	70	130
n-Butylbenzene	0.0491	0.00100	0.0464	0	106	70	130
n-Propylbenzene	0.0468	0.00100	0.0464	0	101	70	130
Naphthalene	0.0346	0.00500	0.0464	0	74.7	70	130
o-Xylene	0.0472	0.00100	0.0464	0	102	70	130
p-Isopropyltoluene	0.0479	0.00100	0.0464	0	103	70	130
sec-Butylbenzene	0.0469	0.00100	0.0464	0	101	70	130
Styrene	0.0461	0.00100	0.0464	0	99.3	70	130
tert-Butylbenzene	0.0468	0.00100	0.0464	0	101	70	130
Tetrachloroethene	0.0462	0.00200	0.0464	0	99.7	70	130
Toluene	0.0517	0.00200	0.0464	0	111	80	120
trans-1,2-Dichloroethene	0.0519	0.00100	0.0464	0	112	70	130
trans-1,3-Dichloropropene	0.0542	0.00100	0.0464	0	117	70	130
Trichloroethene	0.0517	0.00200	0.0464	0	111	70	130
Trichlorofluoromethane	0.0518	0.00100	0.0464	0	112	70	130
Vinyl chloride	0.0514	0.00100	0.0464	0	111	80	120
Surr: 1,2-Dichloroethane-d4	197		200.0		98.7	72	119
Surr: 4-Bromofluorobenzene	203		200.0		102	76	119
Surr: Dibromofluoromethane	208		200.0		104	85	115
Surr: Toluene-d8	184		200.0		92.1	81	120

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

MQL SUMMARY REPORT

TestNo: TX1005	MDL	MQL	Chloroethane	0.000300	0.00100
Analyte	mg/L	mg/L	Chloroform	0.000300	0.00100
T/R Hydrocarbons: >C12-C28	0.700	2.00	Chloromethane	0.000300	0.00100
T/R Hydrocarbons: >C28-C35	0.700	2.00	cis-1,2-Dichloroethene	0.000200	0.00100
T/R Hydrocarbons: C6-C12	0.700	2.00	cis-1,3-Dichloropropene	0.000200	0.00100
T/R Hydrocarbons: C6-C35	0.700	2.00	Dibromochloromethane	0.000200	0.00100
			Dibromomethane	0.000200	0.00100
			Dichlorodifluoromethane	0.000200	0.00100
TestNo: SW8260B	MDL	MQL	Ethylbenzene	0.000300	0.00100
Analyte	mg/L	mg/L	Hexachlorobutadiene	0.00100	0.00300
			Iodomethane	0.00500	0.0150
1,1,1,2-Tetrachloroethane	0.000200	0.00100	Isopropylbenzene	0.000200	0.00100
1,1,1-Trichloroethane	0.000200	0.00100	m,p-Xylene	0.000600	0.00200
1,1,2,2-Tetrachloroethane	0.000200	0.00100	Methyl tert-butyl ether	0.000300	0.00100
1,1,2-Trichloroethane	0.000200	0.00100	Methylene chloride	0.00250	0.00250
1,1-Dichloroethane	0.000200	0.00100	n-Butylbenzene	0.000300	0.00100
1,1-Dichloroethene	0.000200	0.00100	n-Propylbenzene	0.000300	0.00100
1,1-Dichloropropene	0.000200	0.00100	Naphthalene	0.00500	0.00500
1,2,3-Trichlorobenzene	0.00200	0.00500	o-Xylene	0.000300	0.00100
1,2,3-Trichloropropane	0.000300	0.00100	p-Isopropyltoluene	0.000300	0.00100
1,2,4-Trichlorobenzene	0.00200	0.00500	sec-Butylbenzene	0.000300	0.00100
1,2,4-Trimethylbenzene	0.00200	0.00500	Styrene	0.000200	0.00100
1,2-Dibromo-3-chloropropane	0.00300	0.00500	tert-Butylbenzene	0.000300	0.00100
1,2-Dibromoethane	0.000200	0.00100	Tetrachloroethene	0.000700	0.00200
1,2-Dichlorobenzene	0.000300	0.00100	Toluene	0.000700	0.00200
1,2-Dichloroethane	0.000300	0.00100	trans-1,2-Dichloroethene	0.000200	0.00100
1,2-Dichloropropane	0.000200	0.00100	trans-1,3-Dichloropropene	0.000200	0.00100
1,3,5-Trimethylbenzene	0.00200	0.00500	Trichloroethene	0.000700	0.00200
1,3-Dichlorobenzene	0.000300	0.00100	Trichlorofluoromethane	0.000200	0.00100
1,3-Dichloropropane	0.000200	0.00100	Vinyl chloride	0.000100	0.00100
1,4-Dichlorobenzene	0.000300	0.00100			
2,2-Dichloropropane	0.000200	0.00100	TestNo: SW8270C	MDL	MQL
2-Butanone	0.00500	0.0150	Analyte	mg/L	mg/L
2-Chloroethylvinylether	0.00500	0.0150			
2-Chlorotoluene	0.000300	0.00100	1,2,4-Trichlorobenzene	0.00100	0.00400
2-Hexanone	0.00500	0.0150	1,2-Dichlorobenzene	0.00100	0.00400
4-Chlorotoluene	0.000300	0.00100	1,3-Dichlorobenzene	0.00100	0.00400
4-Methyl-2-pentanone	0.00500	0.0150	1,4-Dichlorobenzene	0.00100	0.00400
Acetone	0.00500	0.0150	2,4,5-Trichlorophenol	0.00100	0.00400
Benzene	0.000200	0.00100	2,4,6-Trichlorophenol	0.00100	0.00400
Bromobenzene	0.000200	0.00100	2,4-Dichlorophenol	0.00100	0.00400
Bromochloromethane	0.000200	0.00100	2,4-Dimethylphenol	0.00200	0.00400
Bromodichloromethane	0.000200	0.00100	2,4-Dinitrophenol	0.00100	0.0200
Bromoform	0.000200	0.00100	2,4-Dinitrotoluene	0.00100	0.00400
Bromomethane	0.000300	0.00100	2,6-Dinitrotoluene	0.00100	0.00400
Carbon disulfide	0.00500	0.0150	2-Chloronaphthalene	0.00100	0.00400
Carbon tetrachloride	0.000200	0.00100	2-Chlorophenol	0.00100	0.00400
Chlorobenzene	0.000200	0.00100			

Qualifiers:

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

CLIENT: Geo-Marine, Inc.
 Work Order: 0810027
 Project: Swift

MQL SUMMARY REPORT

2-Methylnaphthalene	0.00100	0.00400	Naphthalene	0.00100	0.00400
2-Methylphenol	0.00100	0.00400	Nitrobenzene	0.00200	0.00400
2-Nitroaniline	0.00100	0.00400	Pentachlorophenol	0.00200	0.00400
2-Nitrophenol	0.00200	0.00400	Phenanthrene	0.00100	0.00400
3,3'-Dichlorobenzidine	0.00200	0.00400	Phenol	0.00200	0.00400
3-Nitroaniline	0.00100	0.00400	Pyrene	0.00100	0.00400
4,6-Dinitro-2-methylphenol	0.00100	0.0100			
4-Bromophenyl phenyl ether	0.00100	0.00400	TestNo: SW7470A	MDL	MQL
4-Chloro-3-methylphenol	0.00100	0.00400	Analyte	mg/L	mg/L
4-Chloroaniline	0.00100	0.0100			
4-Chlorophenyl phenyl ether	0.00100	0.00400	Mercury	0.0000800	0.000200
4-Methylphenol	0.00100	0.00400			
4-Nitroaniline	0.00200	0.00400	TestNo: SW6020	MDL	MQL
4-Nitrophenol	0.00200	0.0200	Analyte	mg/L	mg/L
Acenaphthene	0.00100	0.00400			
Acenaphthylene	0.00100	0.00400	Arsenic	0.00200	0.00600
Aniline	0.00100	0.00400	Barium	0.00300	0.0100
Anthracene	0.00100	0.00400	Cadmium	0.000300	0.00100
Benzo[a]anthracene	0.00100	0.00400	Chromium	0.00200	0.00600
Benzo[a]pyrene	0.00100	0.00400	Lead	0.000300	0.00100
Benzo[b]fluoranthene	0.00100	0.00400	Selenium	0.00200	0.00600
Benzo[g,h,i]perylene	0.00200	0.00400	Silver	0.00100	0.00200
Benzo[k]fluoranthene	0.00100	0.00400			
Benzyl alcohol	0.00100	0.0100			
Bis(2-chloroethoxy)methane	0.00100	0.00400			
Bis(2-chloroethyl)ether	0.00100	0.00400			
Bis(2-chloroisopropyl)ether	0.00100	0.00400			
Bis(2-ethylhexyl)phthalate	0.00200	0.00400			
Butyl benzyl phthalate	0.00400	0.0100			
Carbazole	0.00100	0.00400			
Chrysene	0.00100	0.00400			
Di-n-butyl phthalate	0.00400	0.0100			
Di-n-octyl phthalate	0.00400	0.0100			
Dibenz[a,h]anthracene	0.00100	0.00400			
Dibenzofuran	0.00100	0.00400			
Diethyl phthalate	0.00400	0.0100			
Dimethyl phthalate	0.00400	0.0100			
Fluoranthene	0.00100	0.00400			
Fluorene	0.00100	0.00400			
Hexachlorobenzene	0.00100	0.00400			
Hexachlorobutadiene	0.00100	0.00400			
Hexachlorocyclopentadiene	0.00200	0.0100			
Hexachloroethane	0.00100	0.00400			
Indeno[1,2,3-cd]pyrene	0.00100	0.00400			
Isophorone	0.00100	0.00400			
N-Nitrosodi-n-propylamine	0.00100	0.00400			
N-Nitrosodiphenylamine	0.00100	0.00400			

Qualifiers:

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