

ATTACHMENT D

SUMMARY OF GROUND WATER MONITORING DATA

(2004)

GLOBAL PETROLEUM CORPORATION

NPDES PERMIT NO. MA0003425

Global Petroleum Corporation
 140 Lee Burbank Highway, Revere, Massachusetts
 NPDES Exclusion 98-086
 Groundwater Treatment System
 Influent/Effluent Testing Results

Date Parameter	NPDES Limit	Jan-04		Feb-03		Mar-03	
		Influent	Effluent	Influent	Effluent	Influent	Effluent
TPH	5 ppm	Note 1 mg/l	Note 1 mg/l	2.1 mg/l	ND mg/l	2.3 mg/l	ND mg/l
Methyl Butyl Tert Ether	70 ppb	Note 1 ug/l	Note 1 ug/l	46,400 ug/l	1.7 ug/l	77,300 ug/l	ND ug/l
Benzene	5 ppb	Note 1 ug/l	Note 1 ug/l	2,300 ug/l	ND ug/l	2,130 ug/l	ND ug/l
Toluene	*	Note 1 ug/l	Note 1 ug/l	8,990 ug/l	ND ug/l	3,660 ug/l	ND ug/l
Ethylbenzene	*	Note 1 ug/l	Note 1 ug/l	868 ug/l	ND ug/l	474 ug/l	ND ug/l
Xylenes	*	Note 1 ug/l	Note 1 ug/l	8,970 ug/l	ND ug/l	4,690 ug/l	ND ug/l
Total BTEX	100 ppb	Note 1 ug/l	Note 1 ug/l	21,128 ug/l	ND ug/l	10,954 ug/l	ND ug/l

ND - Not detected

Note 1 - System down. No sample collected.



03/17/04

Technical Report for

Camp Dresser & McKee

Global Petroleum, Revere MA

Accutest Job Number: M37937

Report to:

Camp, Dresser & McKee

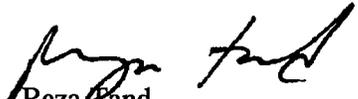
WinklerJH@cdm.com

ATTN: Jim Winkler

Total number of pages in report: 15



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Reza Fand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250203) RI (00071) ME (MA136) FL (E87579)
NY (I1791) NJ (MA926) IL (000589) NAVY USACE

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Sample Summary

Camp Dresser & McKee

Job No: M37937

Global Petroleum, Revere MA

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M37937-1	02/27/04	10:00	TAN	03/01/04	AQ Influent	INF-22704
M37937-2	02/27/04	10:10	TAN	03/01/04	AQ Ground Water	CIN-22704
M37937-3	02/27/04	10:15	TAN	03/01/04	AQ Ground Water	MID-1-22704
M37937-4	02/27/04	10:25	TAN	03/01/04	AQ Ground Water	MID-2-22704
M37937-5	02/27/04	10:30	TAN	03/01/04	AQ Effluent	EFF-22704

Report of Analysis

Client Sample ID: INF-22704 Lab Sample ID: M37937-1 Matrix: AQ - Influent Method: EPA 602 Project: Global Petroleum, Revere MA	Date Sampled: 02/27/04 Date Received: 03/01/04 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN25698.D	100	03/10/04	AP	n/a	n/a	GMN968
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	2300	100	ug/l	
108-88-3	Toluene	8990	100	ug/l	
100-41-4	Ethylbenzene	868	100	ug/l	
1330-20-7	Xylenes (total)	8970	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	46400	100	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	80%		53-157%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: INF-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-1	Date Received: 03/01/04
Matrix: AQ - Influent	Percent Solids: n/a
Project: Global Petroleum, Revere MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	2.1	0.61	mg/l	1	03/02/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID: CIN-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-2	Date Received: 03/01/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 602	
Project: Global Petroleum, Revere MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN25716.D	1	03/10/04	AP	n/a	n/a	GMN971
Run #2	MN25730.D	10	03/11/04	AP	n/a	n/a	GMN972

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	3.6	1.0	ug/l	
108-88-3	Toluene	12.1	1.0	ug/l	
100-41-4	Ethylbenzene	2.7	1.0	ug/l	
1330-20-7	Xylenes (total)	17.1	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1710 ^a	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	83%	77%	53-157%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: CIN-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-2	Date Received: 03/01/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Global Petroleum, Revere MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	03/02/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MID-1-22704	Date Sampled:	02/27/04
Lab Sample ID:	M37937-3	Date Received:	03/01/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 602		
Project:	Global Petroleum, Revere MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN25717.D	1	03/10/04	AP	n/a	n/a	GMN971
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	77%		53-157%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MID-1-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-3	Date Received: 03/01/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Global Petroleum, Revere MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	03/02/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID: MID-2-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-4	Date Received: 03/01/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 602	
Project: Global Petroleum, Revere MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN25718.D	1	03/10/04	AP	n/a	n/a	GMN971
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	77%		53-157%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MID-2-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-4	Date Received: 03/01/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Global Petroleum, Revere MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	03/02/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID: EFF-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-5	Date Received: 03/01/04
Matrix: AQ - Effluent	Percent Solids: n/a
Method: EPA 602	
Project: Global Petroleum, Revere MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN25719.D	1	03/10/04	AP	n/a	n/a	GMN971
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.7	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	76%		53-157%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: EFF-22704	Date Sampled: 02/27/04
Lab Sample ID: M37937-5	Date Received: 03/01/04
Matrix: AQ - Effluent	Percent Solids: n/a
Project: Global Petroleum, Revere MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	03/02/04	BF	EPA 418.1

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01762
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: **M37937**
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES
NAME: CDM ADDRESS: 50 HAMPSHIRE ST CAMBRIDGE, MA CITY: JIM WINKLER STATE: ZIP: SEND REPORT TO: PHONE #: (617) 452-6263		PROJECT NAME: GLOBAL PATROLDUM LOCATION: 120 WEE BURG BANK HWY REVERE, MA PROJECT NO: 20894-35913-DM.INP FAX #:				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID										LAB USE ONLY
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION		SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION					OTHER	TPH	LAB USE ONLY		
		DATE	TIME				ICE	NOCT	NOHD	NOHD	NOHD					
M37937-1	INF-22704	2-27-04	10:00	TAN	GW	4	X	X	X	X	X	X	X			
-2	INF-22704		10:10			4	X	X	X	X	X	X	X			
-3	MID-1-22704		10:15			4	X	X	X	X	X	X	X			
-4	MID-2-22704		10:25			4	X	X	X	X	X	X	X			
-5	EFF-22704	2-27-04	10:50	TAN	GW	4	X	X	X	X	X	X	X			

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	COMMENTS/REMARKS
<input checked="" type="checkbox"/> 14 DAYS STANDARD APPROVED BY: _____ <input type="checkbox"/> 7 DAYS RUSH <input type="checkbox"/> 48 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ 14 DAY TURNAROUND HARDCOPY, EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED	<input type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____	MAD - PRESUMPTIVE CERTAINTY RECALIBRATED

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i> DATE/TIME: 2/27/04 12:00	RECEIVED BY: 1. <i>[Signature]</i> DATE/TIME: 3/1/04 16:40	RELINQUISHED BY: 2. <i>[Signature]</i> DATE/TIME: 3/1/04 14:25	RECEIVED BY: 2. <i>[Signature]</i> DATE/TIME:
RELINQUISHED BY: 3. <i>[Signature]</i> DATE/TIME:	RECEIVED BY: 3. <i>[Signature]</i> DATE/TIME:	RELINQUISHED BY: 4.	RECEIVED BY: 4.
RELINQUISHED BY: 5.	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE <input type="checkbox"/> ON ICE <input type="checkbox"/> TEMPERATURE: 0.8 C

3.1
3