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			7/23/04				8/18/04				9/27/04			
Parameter	NPDES Limit		Influent		Effluent		Influent		Effluent		Influent		Effluent	
TPH	5	ppm	1.2	mg/l	ND	mg/l	ND	mg/l	ND	mg/l	ND	mg/l	ND	mg/l
Methyl Butyl Tert Ether	70	ppb	85,600	ug/l	ND	ug/l	29,600	ug/l	ND	ug/l	17,700	ug/l	ND	ug/l
Benzene	5	ppb	1,330	ug/l	ND	ug/l	946	ug/l	ND	ug/l	1,130	ug/l	ND	ug/l
Toluene	*		695	ug/l	ND	ug/l	1,900	ug/l	ND	ug/l	1,880	ug/l	ND	ug/l
Ethylbenzene	*		269	ug/l	ND	ug/l	160	ug/l	ND	ug/l	301.0	ug/l	ND	ug/l
Xylenes	*		2,990	ug/l	ND	ug/l	2,940	ug/l	ND	ug/l	540	ug/l	ND	ug/l
Total BTEX	100	ppb	5,284	ug/l	ND	ug/l	5,946	ug/l	ND	ug/l	3,851.0	ug/l	ND	ug/l

*No established limit

New England ACCUTEST Laboratories

08/05/04

Technical Report for

Camp Dresser & McKee

Global Petroleum, Revere MA

20394-35913-OM.INP

Accutest Job Number: M40841

Sampling Dates: 07/22/04 - 07/23/04

Report to:

Camp Dresser & McKee
50 Hampshire Street
Cambridge, MA 02139

ATTN: James H. Winkler

Total number of pages in report: 14

ACCREDITED IN ACCORDANCE WITH nelac

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 Pand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

Camp Dresser & McKee

Global Petroleum, Revere MA
Project No: 20394-35913-OM.INP

Job No: M40841

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M40841-1	07/23/04	11:55 TAN	07/26/04	AQ	Influent	INF-7234
M40841-2	07/23/04	12:05 TAN	07/26/04	AQ	Ground Water	CIN-7234
M40841-3	07/23/04	12:55 TAN	07/26/04	AQ	Ground Water	MID-1-7234
M40841-4	07/23/04	13:00 TAN	07/26/04	AQ	Ground Water	MID-2-7234
M40841-5	07/23/04	13:05 TAN	07/26/04	AQ	Effluent	EFF-7234
M40841-6	07/22/04	09:00 RS	07/26/04	AQ	Trip Blank Water	TB

Report of Analysis

Client Sample ID:	INF-7234		
Lab Sample ID:	M40841-1	**Date Sampled:**	07/23/04
Matrix:	AQ - Influent	**Date Received:**	07/26/04
Method:	EPA 602	**Percent Solids:**	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN28539.D	1	07/27/04	AP	n/a	n/a	GMN1177
Run #2	MN28593.D	250	07/29/04	AP	n/a	n/a	GMN1179

	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	1330 [a]	250	ug/l	
108-88-3	Toluene	695 [a]	250	ug/l	
100-41-4	Ethylbenzene	269	1.0	ug/l	
1330-20-7	Xylenes (total)	2990 [a]	250	ug/l	
1634-04-4	Methyl Tert Butyl Ether	85600 [a]	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	95%	87%	61-124%

(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:	INF-7234		
Lab Sample ID:	M40841-1	**Date Sampled:**	07/23/04
Matrix:	AQ - Influent	**Date Received:**	07/26/04
		Percent Solids:	n/a
Project:	Global Petroleum, Revere MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	1.2	0.61	mg/l	1	07/28/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CIN-7234		
Lab Sample ID:	M40841-2	**Date Sampled:**	07/23/04
Matrix:	AQ - Ground Water	**Date Received:**	07/26/04
Method:	EPA 602	**Percent Solids:**	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN28538.D	1	07/27/04	AP	n/a	n/a	GMN1177
Run #2	MN28594.D	50	07/29/04	AP	n/a	n/a	GMN1179

	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	1.6	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)	3.8	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4610 [a]	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	85%	81%	61-124%

(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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CIN-7234		
Lab Sample ID:	M40841-2	**Date Sampled:**	07/23/04
Matrix:	AQ - Ground Water	**Date Received:**	07/26/04
		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	07/28/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MID-1-7234		
Lab Sample ID:	M40841-3	**Date Sampled:**	07/23/04
Matrix:	AQ - Ground Water	**Date Received:**	07/26/04
Method:	EPA 602	**Percent Solids:**	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN28537.D	1	07/27/04	AP	n/a	n/a	GMN1177
Run #2							

	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	113	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	80%		61-124%

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-1-7234		
Lab Sample ID:	M40841-3	**Date Sampled:**	07/23/04
Matrix:	AQ - Ground Water	**Date Received:**	07/26/04
		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	07/28/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MID-2-7234		
Lab Sample ID:	M40841-4	**Date Sampled:**	07/23/04
Matrix:	AQ - Ground Water	**Date Received:**	07/26/04
Method:	EPA 602	**Percent Solids:**	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN28536.D	1	07/27/04	AP	n/a	n/a	GMN1177
Run #2							

	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	81%		61-124%

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-2-7234		
Lab Sample ID:	M40841-4	**Date Sampled:**	07/23/04
Matrix:	AQ - Ground Water	**Date Received:**	07/26/04
		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	07/28/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EFF-7234		
Lab Sample ID:	M40841-5	**Date Sampled:**	07/23/04
Matrix:	AQ - Effluent	**Date Received:**	07/26/04
Method:	EPA 602	**Percent Solids:**	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN28535.D	1	07/26/04	AP	n/a	n/a	GMN1177
Run #2							

	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	81%		61-124%

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-7234		
Lab Sample ID:	M40841-5	**Date Sampled:**	07/23/04
Matrix:	AQ - Effluent	**Date Received:**	07/26/04
		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	07/28/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	M40841-6	**Date Sampled:**	07/22/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/26/04
Method:	EPA 602	**Percent Solids:**	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN28534.D	1	07/26/04	AP	n/a	n/a	GMN1177
Run #2							

	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	82%		61-124%

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M40841

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: CDM
ADDRESS: 50 HAMPSHIRE ST
CITY, STATE ZIP: CAMBRIDGE, MA
SEND REPORT TO: JIM WINKLER
PHONE #: 617-452-6263

FACILITY INFORMATION

PROJECT NAME: GLOBAL PETROLEUM
LOCATION: 140 LEE BURBANK HGWY
PROJECT NO.: REVERE, MA
FAX #: 20394-35913-OM.INP

ANALYTICAL INFORMATION

MTBE/BTEX 602
TPH 418.1

MATRIX CODE

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	MTBE/BTEX 602	TPH 418.1	LAB USE ONLY
-1	INF-7234	7.23.4	11:55	TAN	GW	4	X					X	X	
-2	CIN-7234		12:05			4	X					X	X	
-3	MID-1-7234		12:55			4	X					X	X	
-4	MID-2-7234		13:00			4	X					X	X	
-5	EFF-7234	~~7.23.4~~	13:05	TAN	GW	4	X					X	X	
-6	TB	7.22.4	9:00	RS	GW	2	X					X		

DATA TURNAROUND INFORMATION

- [x] 14 DAYS STANDARD
- [ ] 7 DAYS *RUSH*
- [ ] 48 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

Loc. 3D5, 4D

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

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. T. A. Mason	7.23.4 14:00	1. [signature]	2. [signature]	7/26/04 13:05	2. [signature]
3. [signature]	7/26/04 14:40	3. [signature]	4.		4.
5.		5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☑ TEMPERATURE 2.0 C