

Waybill #288393799951
November 25, 2005

Ms. Shelley Puleo
US EPA – Region 1
One Congress Street
Mailcode: CMU
Boston, MA 02114-2023

Re: NPDES Permit Exclusion
Treatment System Analytical Results – Fourth Quarter 2005
Charlton West Plaza, Massachusetts Turnpike Service Area 6W, Mile Marker 83.7
Charlton, Massachusetts
MADEP RTN #2-0760/Tier IA Permit #84882

Dear Ms. Puleo:

Per direction of Mr. Randy Rice (USEPA), GSC/Kleinfelder, formerly Geologic Services Corporation (GSC) is providing a summary of the analytical results for the operation of the groundwater recovery and treatment system at the above referenced facility on behalf of Exxon Mobil Corporation (ExxonMobil). The operation of this system is being conducted in accordance with the requirements outlined in a National Pollutant Discharge Elimination System (NPDES) Permit Exclusion issued on July 18, 1991, pursuant to Title 40 of the Code of Federal regulations, Part 122.3(d), and other applicable federal, state and local approvals. A NPDES permit application was submitted to the USEPA on July 22, 1994. On September 27, 2005 USEPA, issued a letter to ExxonMobil authorizing the discharge of treated groundwater associated with the operation of this system under the provisions of the Remediation General Permit (RGP) (authorization #MAG 91003). All future discharge sampling will be conducted under the provisions of the RGP.

The enclosed data document operation of the groundwater recovery and treatment system throughout the period of October through November 2005. Samples were collected on November 3, 2005 from the influent and effluent of the air stripper (ASTRINF01 and ASTREFF01) and the two currently active liquid-phase granular activated carbon (GAC) vessels (plumbed in series LGACEFF1A and LGACEFF1B). Samples were submitted for laboratory analysis of BTEX (combined benzene, toluene, ethylbenzene and xylenes) and MtBE (methyl tertiary butyl ether) via EPA Method 602 and total petroleum hydrocarbons (TPH) via EPA Method 418.1. Concentrations of BTEX and MtBE detected in samples collected from the groundwater treatment system effluent (LGACEFF1B) did not exceed discharge limits established in the NPDES Permit Exclusion (Refer to Table 1). Complete laboratory analytical data has been included as Attachment B.

Compliance sampling of the groundwater treatment system will continue on a monthly basis. Compliance sampling results for future monitoring events will be maintained in accordance with the provisions of the RGP.

Should you have any question regarding this report please do not hesitate to contact Mr. Eric Errico of ExxonMobil at (617) 381-2952 or the undersigned at (978) 486-0060.

Sincerely,
GSC/Kleinfelder


John E. Harvey
Project Manager

cc: Eric Errico, ExxonMobil, 52 Beacham St., Everett, MA 02149 (file)
Rick McCullough, Massachusetts Turnpike Authority, 668 South Ave., Weston, MA 02493
Mark Baldi, MADEP Central Regional Office, 627 Main St., Worcester, MA 01605
Thomas Maguire, LSP, Forensic Environmental Services, Inc., 113 John Robert Thomas Dr., Exton, PA 19341
Deborah Barnard, Esq., Holland & Knight LLP, 10 St. James Avenue, Boston, MA 02116
Charlton Board of Health, 40 Main St., Charlton, MA 01507
Anne Hockett, Charlton Public Library, 40 Main St., Charlton, MA 01507
Karen Gauvin, Charlton Conservation Commission, 40 Main St., Charlton, MA 01507

Ref. #901104_Rpt_4QNPDES2005

ATTACHMENT A
Table

Table 1
Vacuum Enhanced Groundwater Extraction Treatment System Analytical Data
 Massachusetts Turnpike
 Rest Area 6W
 Charlton, MA

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	Total BTEX (µg/l)	MTBE (µg/l)	TPH (mg/l)
NPDES Discharge Limits		5	NA	NA	NA	100	70	5
ASTRINF01								
	05/28/02	215	42	176	348	781	4,870	<0.62
	05/30/02	215	42	176	348	781	4,870	<0.62
	06/01/02	431	329	384	830	1,974	7,560	1.4
	06/03/02	308	202	291	740	1,541	7,200	0.8
	06/10/02	322	224	234	805	1,585	3,560	1.4
	06/17/02	414	90	108	251	863	3,630	<0.65
	06/27/02	512	250	195	610	1,567	5,760	<0.63
	07/24/02	723	407	190	772	2,092	13,000	0.76
	08/08/02	654	193	197	607	1,651	6,550	<0.62
	09/06/02	422	169	199	632	1,422	7,800	<0.63
	10/08/02	106	35	45	211	397	4,180	<0.63
	11/07/02	201	107	146	493	947	4,160	<0.61
	12/19/02	107	62	33.5	191	393.5	5,400	<0.61
	02/28/03	260	111	109	326	806	2,990	<0.61
	03/31/03	144	126	71.2	522	863	4,060	<0.63
	04/30/03	184	111	97.2	735	1,127	3,080	<0.61
	05/13/03	72	31.3	39.8	162	305	3,120	<0.63
	06/23/03	113	40.3	41.5	146	341	2,220	<0.61
	07/14/03	226	56.2	93.6	225	601	2,830	<0.63
	08/26/03	17	<10	10.7	27.9	56	2,360	<0.61
	09/10/03	31.7	<10	<10	19.2	51	1,830	<0.63
	10/13/03	28.2	<5.0	9.3	17.4	55	1,150	<0.61
	11/15/03	27.8	5.2	9.2	19.8	62	2,750	<0.61
	12/20/03	39.1	7.9	22.3	83.1	152	1,890	<0.61
	01/12/04	26.8	<5.0	11.4	24.5	63	2,090	<0.61
	02/24/04	18.4	7.8	8.2	26.5	60.9	238.0	<0.61
	03/09/04	39.8	5.0	17.7	20.3	82.8	4,170	<0.61
	04/06/04	122.0	51.2	39.4	174.0	386.6	2,770	<0.61
	05/06/04	56.3	19.7	41.9	93.5	211.4	1,440	<0.61
	06/08/04	34.4	5.7	18.7	44.3	103.1	858	2.0
	07/27/04	132.0	22.1	77.3	131.0	362.4	499	<0.61
	08/04/04	67.8	15.9	33.1	89.0	205.8	303	<0.61
	09/08/04	36.4	14.3	41.6	82.8	175.1	663	<0.63
	10/13/04	35.8	13.9	10.4	37.9	98.0	524	<0.61
	12/01/04	13.2	2.8	6.2	9.2	31.4	814	<0.60
	12/29/04	9.6	4.5	5.0	17.6	36.7	1,500	<0.60
	01/12/05	13.2	10.6	7.4	22.5	53.7	1,850	<0.60
	02/24/05	22.1	10.7	9.0	23.1	64.9	1,710	<0.61
	03/16/05	47.4	8.6	15.0	32.8	103.8	2,280	<0.60
	04/14/05	185.0	118.0	48.2	96.4	447.6	9,270	<0.61
	04/29/05	61.4	24.6	10.3	27.3	123.6	5,370	---
	05/17/05	95.8	16.9	46.1	38.8	197.6	3,690	<0.63
	06/16/05	4.1	1.8	3.2	10.7	19.8	740	<0.61
	07/06/05	15.9	2.0	6.3	9.3	33.5	950	<0.61
	08/08/05	37.2	6.6	11.6	16.1	71.5	1,060	<0.63
	09/15/05	3.1	1.8	5.0	19.9	29.8	4,160	<0.61
	11/03/05	16.8	7.3	6.1	16.0	46.2	6,300	<0.63

Table 1
Vacuum Enhanced Groundwater Extraction Treatment System Analytical Data
 Massachusetts Turnpike
 Rest Area 6W
 Charlton, MA

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Total BTEX (µg/l)	MTBE (µg/l)	TPH (mg/l)
NPDES Discharge Limits		5	NA	NA	NA	100	70	5
ASTREFF01								
	05/28/02	<0.50	<1.0	<1.0	<1.0	ND	9.7	<0.62
	05/30/02	<0.50	<1.0	<1.0	<1.0	ND	9.7	<0.62
	06/01/02	<0.50	<1.0	<1.0	<1.0	ND	2.5	<0.64
	06/03/02	<0.50	<1.0	<1.0	<1.0	ND	3.9	<0.65
	06/10/02	<0.50	<1.0	<1.0	<1.0	ND	9.3	<0.62
	06/17/02	<0.50	<1.0	<1.0	<1.0	ND	17.2	<0.65
	06/27/02	<0.50	<1.0	<1.0	<1.0	ND	40.3	<0.62
	07/24/02	1.9	<1.0	<1.0	<1.0	1.9	10.3	<0.63
	08/08/02	<0.50	<1.0	<1.0	<1.0	ND	10.3	<0.62
	09/06/02	<0.50	<1.0	<1.0	<1.0	ND	9.3	<0.61
	10/08/02	<0.50	<1.0	<1.0	<1.0	ND	3.1	<0.63
	11/07/02	<0.50	<1.0	<1.0	<1.0	ND	9.6	<0.61
	12/19/02	<1.0	<1.0	<1.0	<1.0	ND	41.9	<0.63
	02/28/03	0.90	<1.0	<1.0	1.5	2.4	39.1	<0.61
	03/31/03	<0.50	<1.0	<1.0	<1.0	ND	139	<0.63
	04/30/03	<0.50	<1.0	<1.0	<1.0	ND	33.9	<0.61
	05/13/03	<0.50	<1.0	<1.0	<1.0	ND	18.6	<0.61
	06/23/03	<1.0	<1.0	<1.0	<1.0	ND	10.9	<0.61
	07/14/03	<0.50	<1.0	<1.0	<1.0	ND	4.3	<0.62
	08/26/03	<0.50	<1.0	<1.0	<1.0	ND	12.3	<0.61
	09/10/03	<0.50	<1.0	<1.0	<1.0	ND	14.5	<0.63
	10/13/03	<0.50	<1.0	<1.0	<1.0	ND	7.7	<0.61
	11/15/03	<1.0	<1.0	<1.0	<1.0	ND	43.5	<0.63
	12/20/03	<1.0	<1.0	<1.0	<1.0	ND	26.5	<0.61
	01/12/04	<1.0	<1.0	<1.0	<1.0	ND	36.1	<0.61
	02/24/04	<1.0	<1.0	<1.0	<1.0	ND	6.6	<0.61
	03/09/04	<1.0	<1.0	<1.0	<1.0	ND	95.4	<0.61
	04/06/04	<0.60	<1.0	<1.0	<1.0	ND	37.8	<0.61
	05/06/04	<1.0	<1.0	<1.0	<1.0	ND	12.4	<0.61
	06/08/04	<1.0	<1.0	<1.0	<1.0	ND	4.6	<0.61
	07/27/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	08/04/04	<1.0	<1.0	<1.0	<1.0	ND	3.6	<0.61
	09/08/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	10/13/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	12/01/04	<1.0	<1.0	<1.0	<1.0	ND	3.1	<0.60
	12/29/04	<1.0	<1.0	<1.0	<1.0	ND	6.0	<0.60
	01/12/05	<1.0	<1.0	<1.0	<1.0	ND	6.0	<0.60
	02/24/05	<1.0	<1.0	<1.0	<1.0	ND	72.5	<0.61
	03/16/05	<1.0	<1.0	<1.0	<1.0	ND	112.0	<0.60
	04/14/05	<1.0	<1.0	<1.0	<1.0	ND	250.0	<0.60
	04/29/05	<1.0	<1.0	<1.0	<1.0	ND	129.0	---
	05/17/05	<1.0	<1.0	<1.0	<1.0	ND	42.3	<0.63
	06/16/05	<1.0	<1.0	<1.0	<1.0	ND	2.9	<0.61
	07/06/05	<1.0	<1.0	<1.0	<1.0	ND	7.1	<0.61
	08/08/05	<1.0	<1.0	<1.0	<1.0	ND	3.7	<0.63
	09/15/05	<1.0	<1.0	<1.0	<1.0	ND	15.2	<0.61
	11/03/05	<1.0	<1.0	<1.0	<1.0	ND	177.0	<0.61

Table 1
Vacuum Enhanced Groundwater Extraction Treatment System Analytical Data
 Massachusetts Turnpike
 Rest Area 6W
 Charlton, MA

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	Total BTEX (µg/l)	MTBE (µg/l)	TPH (mg/l)
NPDES Discharge Limits		5	NA	NA	NA	100	70	5
LGACEFF1A								
	05/28/02	---	---	---	---	ND	---	---
	05/30/02	---	---	---	---	ND	---	---
	06/01/02	---	---	---	---	ND	---	---
	06/03/02	---	---	---	---	ND	---	---
	06/10/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	06/17/02	---	---	---	---	ND	---	---
	06/27/02	<0.50	<1.0	<1.0	<1.0	ND	1.6	<0.66
	07/24/02	<0.50	<1.0	<1.0	<1.0	ND	1.6	<0.63
	08/08/02	<0.50	<1.0	<1.0	<1.0	ND	2.2	<0.62
	09/06/02	---	---	---	---	ND	---	---
	10/08/02	---	---	---	---	ND	---	---
	11/07/02	---	---	---	---	ND	---	---
	12/19/02	---	---	---	---	ND	---	---
	02/28/03	---	---	---	---	ND	---	---
	03/31/03	<0.50	<1.0	<1.0	<1.0	ND	50.8	<0.64
	04/30/03	---	---	---	---	ND	---	---
	05/13/03	---	---	---	---	ND	---	---
	06/23/03	---	---	---	---	ND	---	---
	07/14/03	---	---	---	---	ND	---	---
	08/26/03	---	---	---	---	ND	---	---
	09/10/03	---	---	---	---	ND	---	---
	10/13/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	11/15/03	<1.0	<1.0	<1.0	<1.0	ND	14.8	<0.61
	12/20/03	---	---	---	---	ND	---	---
	01/12/04	---	---	---	---	ND	---	---
	02/24/04	---	---	---	---	ND	---	---
	03/09/04	---	---	---	---	ND	---	---
	04/06/04	---	---	---	---	ND	---	---
	06/08/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	07/27/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	08/04/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	09/08/04	<1.0	<1.0	<1.0	<1.0	ND	1.0	<0.63
	10/13/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	06/16/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	07/06/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	08/08/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	09/15/05	<1.0	<1.0	<1.0	<1.0	ND	1.9	<0.61
	11/03/05	<1.0	<1.0	<1.0	<1.0	ND	26.5	<0.63

Table 1
Vacuum Enhanced Groundwater Extraction Treatment System Analytical Data
 Massachusetts Turnpike
 Rest Area 6W
 Charlton, MA

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Total BTEX (µg/l)	MTBE (µg/l)	TPH (mg/l)
NPDES Discharge Limits		5	NA	NA	NA	100	70	5
LGACEFF1B								
	05/28/02	---	---	---	---	ND	---	---
	05/30/02	---	---	---	---	ND	---	---
	06/01/02	---	---	---	---	ND	---	---
	06/03/02	---	---	---	---	ND	---	---
	06/10/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	06/17/02	---	---	---	---	ND	---	---
	06/27/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	07/24/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	08/08/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	09/06/02	---	---	---	---	ND	---	---
	10/08/02	---	---	---	---	ND	---	---
	11/07/02	---	---	---	---	ND	---	---
	12/19/02	---	---	---	---	ND	---	---
	02/28/03	---	---	---	---	ND	---	---
	03/31/03	<0.50	<1.0	<1.0	<1.0	ND	7.3	<0.64
	04/30/03	---	---	---	---	ND	---	---
	05/13/03	---	---	---	---	ND	---	---
	06/23/03	---	---	---	---	ND	---	---
	07/14/03	---	---	---	---	ND	---	---
	08/26/03	---	---	---	---	ND	---	---
	09/10/03	---	---	---	---	ND	---	---
	10/13/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.62
	11/15/03	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.64
	12/20/03	---	---	---	---	ND	---	---
	01/12/04	---	---	---	---	ND	---	---
	02/24/04	---	---	---	---	ND	---	---
	03/09/04	---	---	---	---	ND	---	---
	04/06/04	---	---	---	---	ND	---	---
	06/08/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	07/27/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	08/04/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	09/08/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	10/13/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	06/16/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	07/06/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	08/08/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	09/15/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	11/03/05	<1.0	<1.0	<1.0	<1.0	ND	3.2	<0.63

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Vacuum Enhanced Groundwater Extraction Treatment System Analytical Data
 Massachusetts Turnpike
 Rest Area 6W
 Charlton, MA

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	Total BTEX (µg/l)	MTBE (µg/l)	TPH (mg/l)
NPDES Discharge Limits		5	NA	NA	NA	100	70	5
LGACEFF2A								
	05/28/02	<0.50	<1.0	<1.0	<1.0	ND	1.4	<0.61
	05/30/02	<0.50	<1.0	<1.0	<1.0	ND	1.4	<0.61
	06/01/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.62
	06/03/02	<0.50	<1.0	<1.0	<1.0	ND	1.2	<0.63
	06/10/02	---	---	---	---	---	---	---
	06/17/02	<0.50	<1.0	<1.0	<1.0	ND	2.0	<0.63
	06/27/02	---	---	---	---	ND	---	---
	07/24/02	---	---	---	---	ND	---	---
	08/08/02	---	---	---	---	ND	---	---
	09/06/02	<0.50	<1.0	<1.0	<1.0	ND	1.2	<0.61
	10/08/02	<0.50	<1.0	<1.0	<1.0	ND	2.4	<0.63
	11/07/02	<0.50	<1.0	<1.0	<1.0	ND	8.0	<0.62
	12/19/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	56.1
	02/28/03	<0.50	<1.0	<1.0	<1.0	ND	<0.1	<0.64
	03/31/03	---	---	---	---	ND	---	---
	04/30/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	05/13/03	<0.50	<1.0	<1.0	<1.0	ND	2.9	<0.61
	6/23/2003	<1.0	<1.0	<1.0	<1.0	ND	1.9	<0.61
	07/14/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	08/26/03	<0.50	<1.0	<1.0	<1.0	ND	4.0	<0.61
	09/10/03	<0.50	<1.0	<1.0	<1.0	ND	10.3	<0.63
	10/13/03	---	---	---	---	ND	---	---
	11/15/03	---	---	---	---	ND	---	---
	12/20/03	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	01/12/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	02/24/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	03/09/04	<1.0	<1.0	<1.0	<1.0	ND	1.8	<0.61
	04/06/04	<0.50	<1.0	<1.0	<1.0	ND	3.6	<0.61
	05/06/04	<1.0	<1.0	<1.0	<1.0	ND	8.8	<0.61
	12/01/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	12/29/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	01/12/05	<1.0	<1.0	<1.0	<1.0	ND	1.0	<0.60
	02/24/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	03/16/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	04/14/05	<1.0	<1.0	<1.0	<1.0	ND	1.8	<0.61
	05/17/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63

Table 1
Vacuum Enhanced Groundwater Extraction Treatment System Analytical Data
 Massachusetts Turnpike
 Rest Area 6W
 Charlton, MA

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Total BTEX (µg/l)	MTBE (µg/l)	TPH (mg/l)
NPDES Discharge Limits		5	NA	NA	NA	100	70	5
LGACEFF2B								
	05/28/02	<0.50	<1.0	<1.0	<1.0	ND	1.4	<0.62
	05/30/02	0.5	1.2	2.4	1.4	5.5	<1.0	<0.62
	06/01/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	06/03/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	06/10/02	---	---	---	---	ND	---	---
	06/17/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	06/27/02	---	---	---	---	ND	---	---
	07/24/02	---	---	---	---	ND	---	---
	08/08/02	---	---	---	---	ND	---	---
	09/06/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	10/08/02	<0.50	<1.0	<1.0	<1.0	ND	<1.0	0.98
	11/07/02	<0.50	<1.0	<1.0	<1.0	ND	1.1	<0.63
	12/19/02	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	02/28/03	<0.50	<1.0	<1.0	<1.0	ND	<0.1	<0.63
	03/31/03	---	---	---	---	ND	---	---
	04/30/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	05/13/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	06/23/03	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	07/14/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.63
	08/26/03	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	09/10/03	<0.50	<1.0	<1.0	<1.0	ND	1.3	<0.63
	10/13/03	---	---	---	---	ND	---	---
	11/15/03	---	---	---	---	ND	---	---
	12/20/03	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	01/12/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	02/24/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	03/09/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	04/06/04	<0.50	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	05/06/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	12/01/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	12/29/04	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	01/12/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	02/24/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.61
	03/16/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.60
	04/14/05	<1.0	<1.0	<1.0	<1.0	ND	2	<0.61
	05/17/05	<1.0	<1.0	<1.0	<1.0	ND	<1.0	<0.63

Notes:

µg/l - micrograms per liter (parts per billion)
 BTEX - Combined benzene, toluene, ethylbenzene, and total xylenes
 MTBE - methyl tertiary butyl ether
 TPH - Total Petroleum Hydrocarbons
 mg/l - milligrams per liter (parts per million)
 NPDES - National Pollution Discharge Elimination System
 < - not detected at or above detection limit indicated
 ND - Not Detected
 --- - Carbon Vessels Not On-Line

ATTACHMENT B
Laboratory Analytical Data



11/22/05

Technical Report for

Exxon Service Station

GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA

PO#4505935526 WBS#08

Accutest Job Number: M52400

Sampling Date: 11/03/05

Report to:

GSC-Kleinfelder

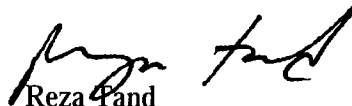
ryarnell@kleinfelder.com

ATTN: Robin Yarnell

Total number of pages in report: 13



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 (250204) RI (00071) ME (MA136) FL (E87579)
NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

Exxon Service Station

Job No: M52400

GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA
Project No: PO#4505935526 WBS#08

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
M52400-1	11/03/05	11:30 BOB	11/08/05	AQ Ground Water	LGE1B
M52400-2	11/03/05	11:40 BOB	11/08/05	AQ Ground Water	LGE1A
M52400-3	11/03/05	11:50 BOB	11/08/05	AQ Effluent	ASTREFF01
M52400-4	11/03/05	12:00 BOB	11/08/05	AQ Influent	ASTRINF

Report of Analysis

Page 1 of 1

Client Sample ID:	LGE1B	Date Sampled:	11/03/05
Lab Sample ID:	M52400-1	Date Received:	11/08/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 602		
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB24412.D	1	11/10/05	CH	n/a	n/a	GAB1262
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	3.2	1.0	ug/l	

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

Page 1 of 1

Client Sample ID:	LGE1B	Date Sampled:	11/03/05
Lab Sample ID:	M52400-1	Date Received:	11/08/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.63	0.63	mg/l	1	11/09/05	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	LGE1A	Date Sampled:	11/03/05
Lab Sample ID:	M52400-2	Date Received:	11/08/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 602		
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB24413.D	1	11/10/05	CH	n/a	n/a	GAB1262
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	26.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	93%		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

Page 1 of 1

Client Sample ID:	LGE1A	Date Sampled:	11/03/05
Lab Sample ID:	M52400-2	Date Received:	11/08/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.63	0.63	mg/l	1	11/09/05	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	ASTREFF01	Date Sampled:	11/03/05
Lab Sample ID:	M52400-3	Date Received:	11/08/05
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	EPA 602		
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB24414.D	1	11/10/05	CH	n/a	n/a	GAB1262
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	177	1.0	ug/l	

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

Page 1 of 1

Client Sample ID:	ASTREFF01	Date Sampled:	11/03/05
Lab Sample ID:	M52400-3	Date Received:	11/08/05
Matrix:	AQ - Effluent	Percent Solids:	n/a
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	11/09/05	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	ASTRINF	Date Sampled:	11/03/05
Lab Sample ID:	M52400-4	Date Received:	11/08/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	EPA 602		
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB24415.D	1	11/10/05	CH	n/a	n/a	GAB1262
Run #2	AB24417.D	10	11/10/05	CH	n/a	n/a	GAB1262

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	16.8	1.0	ug/l	
108-88-3	Toluene	7.3	1.0	ug/l	
100-41-4	Ethylbenzene	6.1	1.0	ug/l	
1330-20-7	Xylenes (total)	16.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6300 ^a	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	86%	101%	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

Page 1 of 1

Client Sample ID:	ASTRINF	Date Sampled:	11/03/05
Lab Sample ID:	M52400-4	Date Received:	11/08/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Project:	GSCMA:S/S 3-5943 6 W Mass Pike, Charlton MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.63	0.63	mg/l	1	11/09/05	BF	EPA 418.1

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

[illegible]