August 31, 2007

Mr. Steven Plunkett
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Soil and Grab Groundwater Investigation Results**
Fuel Leak Case No. RO0002822
Watergate Office Towers
2000 Powell Street
Emeryville, California

Hines

Dear Mr. Plunkett:

Enclosed is the Soil and Grab Groundwater Investigation Results prepared by Geomatrix Consultants, Inc., for the property owned by NOP Watergate, LLC and located at 2000 Powell Street in Emeryville, California. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge. We appreciate, in advance, your further consideration of our request for a no further action letter with regard to this site.

Sincerely,

George Clever

Enclosure

101 California Street Suite 1000 San Francisco, California 94111-5894 (415) 982-6200 (415) 398-1442 FAX

Geomatrix

August 31, 2007
Project 12924.000

Mr. Steven Plunkett
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
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Subject: Soil and Grab Groundwater Investigation Results
Fuel Leak Case No. RO0002822
Watergate Office Towers
2000 Powell Street
Emeryville, California

Dear Mr. Plunkett:

On behalf of Hines Interests (Hines),[1] Geomatrix Consultants, Inc. (Geomatrix), has prepared this report presenting the results of a soil and grab groundwater investigation at 2000 Powell Street in Emeryville, California (the site; Figure 1). The objective of the investigation was to evaluate whether there is an environmental impact specific to the former underground storage tanks (USTs) and associated fuel dispensers previously located on the site. The investigation was performed in accordance with the May 31, 2007 Work Plan[2] as amended and approved by the Alameda County Environmental Health (ACEH) in a June 7, 2007 letter.

BACKGROUND

The site is located within a commercial office complex built upon a peninsula in the San Francisco Bay. Beginning in the 1930s, non-engineered fill, consisting of debris and industrial waste, was placed to construct the peninsula. Reportedly, the thickness of the fill ranges from 16 to 22 feet, and overlies young Bay Mud. The fill material includes concrete and wood debris, roofing shingles, tar paper, linoleum, asbestos, asphalt, and roofing scraps/debris. Subsurface investigations on the peninsula were conducted in 1989 (Figure 2). Soil and groundwater sampling conducted at that time indicated that the peninsula's subsurface is impacted with total petroleum hydrocarbons quantified as gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo), metals, semi-volatile and volatile organic compounds (SVOCs and VOCs), and asbestos. Previous environmental investigation reports have attributed the source of the subsurface impacts to the fill material. Analytical data from previous investigations is presented in the May 31, 2007 Work Plan.

[1] Ownership of Watergate Property lies with NOP Watergate, LLC.
[2] *Work Plan for Soil and Groundwater Investigation, Fuel Leak Case No. RO0002822, Watergate Office Towers, 2000 Powell Street, Emeryville, California*, Geomatrix Consultants, Inc., May 31, 2007.

The site formerly contained two USTs, two fuel dispensers, and associated piping located south of Tower III (Figure 2); the USTs reportedly stored gasoline. The USTs and fuel dispensers were removed in 1998 and the associated fuel pipelines were reportedly rinsed and abandoned in-place. Analytical results of samples collected during UST removal activities indicated that soil from the excavated tank pit was impacted with TPHg, benzene, toluene, ethylbenzene, and xylenes (collectively BTEX) at concentrations of 5.5, 0.057, 0.47, 0.15 and 1.96 milligrams per kilogram (mg/kg), respectively. Analytical results of a grab water sample collected from the UST excavation indicated that the water in the excavation was impacted with total TPHg at a concentration of 30,000, and BTEX at concentrations of 1,000, 6,900, 380, and 4,500 micrograms per liter (µg/l), respectively. Additionally, TPHg, toluene, ethylbenzene, and xylenes were detected in a shallow soil sample collected beneath one of the former fuel dispensers at concentrations of 27,000, 160, 130, and 1,910 mg/kg, respectively. No groundwater samples were collected beneath or near the former fuel dispensers.

The UST removal report, submitted to ACEH on September 18, 1998 by Golder Associates,[3] recommended no further action in regard to the former USTs and fuel dispensers, stating that "petroleum hydrocarbons detected in soil and groundwater are derived from site fill materials and represent background conditions." This conclusion was based on analytical results from a 1989 investigation[4] which indicated elevated concentrations of petroleum hydrocarbons and BTEX at various locations on the peninsula. However, notwithstanding Golder's conclusion, in a letter issued on March 26, 2007,[5] ACEH requested that additional investigation be conducted to evaluate potential impacts from the former UST system.

SUBSURFACE INVESTIGATION METHODOLOGY

Because it is understood that the entire peninsula is composed of undocumented fill with unknown chemical impacts, ACEH agreed to focus this environmental investigation on the former USTs and associated fuel dispensers. As such, the objective of the proposed investigation was to evaluate whether an environmental impact specific to the former USTs and fuel dispensers exists on the site.

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[3] *Removal of Two 10,000 Gallon Capacity Underground Storage Tanks, Watergate Towers Property, 2200 Powell Street, Emeryville, California*, Golder Associates Inc., September 18, 1998.

[4] *Phase II Preliminary Environmental Site Assessment, Lathrop Property, Emeryville, California*, Woodward-Clyde Consultants, March 13, 1989.

[5] *Fuel Leak Case No. RO0002822, Spieker Properties, 2000 Powell Street, Emeryville, California*, Alameda County Environmental Health, March 26, 2007.

As presented in the work plan, Geomatrix proposed to collect soil and groundwater samples from four targeted locations; two in the vicinity of the former UST excavation, and two in the vicinity of the former fuel dispensers. Soil and groundwater sampling locations are shown on Figure 3.

Prior to initiating subsurface investigation activities, Geomatrix marked boring locations, obtained necessary drilling permits, and prepared a site-specific health and safety plan. Geomatrix notified Underground Service Alert 48 hours prior to drilling and contracted with Subsurface Locating Services of Petaluma, California, to screen each boring location prior to drilling.

On July 17, 2007, three borings were advanced at the site; two borings in the vicinity of the former UST excavation, and one boring in the vicinity of the former fuel dispensers (Figure 3). Three attempts were made to advance an additional boring, SB-03, located adjacent to the former fuel dispensers. During the first attempt, underground utilities were encountered at approximately 2.5 feet below ground surface (bgs). During the two subsequent attempts, a concrete slab was encountered at approximately 1 foot bgs. Sample collection attempts at this location were abandoned due to constraints by subsurface utilities and the questionable potential relevance of data collected at a distance from the former fuel dispensers.

Borings SB-01, SB-02, and SB-04 were successfully advanced by Precision Sampling, Inc. of Richmond, California, using a hydraulic direct-push drilling rig equipped with a dual-tube continuous sampling system. Boring SB-01 was advanced to 18 feet bgs, SB-02 was advanced to 19 feet bgs, and SB-04 was advanced to 16 feet bgs. Soil was logged by a Geomatrix field geologist in accordance with the ASTM International Standard D2488 and the Uniform Soil Classification System. Odors, discoloration, staining, and sheens were noted, if observed.

Recovered soil was screened in the field with an organic vapor meter equipped with a photoionization detector. Two soil samples were collected from each boring location and submitted for laboratory analysis. In accordance with the ACEH June 7, 2007 approval of the Work Plan, soil samples were collected directly above the soil/groundwater interface, and at the bottom of each boring. The soil samples collected at the bottom of each boring were placed on hold at the analytical laboratory pending results of the shallower samples.[6] Soil samples were collected in new, clean, butyrate liners and sealed at each end with Teflon® sheets, plastic end caps, and silicone tape.

[6] As discussed with ACEH staff, the deeper samples would be analyzed if analytical results for shallower samples suggested an impact from the former gasoline USTs or dispensers.

Grab groundwater samples were collected by placing a temporary well point in the borehole and retracting the drive casing approximately 5 feet to expose the well screen. The temporary well point consisted of ¾-inch diameter Schedule 40 polyvinyl chloride (PVC) casing with 5 feet of factory-slotted PVC well screen. The samples were collected using a new, disposable bailer and decanted into laboratory-supplied containers.

Soil and grab groundwater samples were labeled, sealed in plastic bags, and stored in an ice-chilled cooler prior to delivery to Curtis and Tompkins, Ltd., a California Department of Health Services-certified laboratory, in accordance with Geomatrix chain-of-custody protocols. For quality assurance/quality control (QA/QC) purposes, one soil matrix spike/matrix spike duplicate sample, equipment blank samples for both soil and water, and one blind duplicate groundwater sample were collected. Additionally, a trip blank accompanied the samples submitted to the laboratory.

Following completion of sampling activities, each boring was grouted to ground surface according to the requirements specified by the permitting agency (Alameda County Public Works Department). Borings were completed at ground surface to match existing conditions.

INVESTIGATION RESULTS

Lithology

The site lithology described herein is based on observations of the soil core generated by Geomatrix during drilling at the site. Lithologic logs are presented in Attachment 1. Due to the historical non-engineered filling at the site, lithology varies greatly between boring locations. Soils ranging from lean clay to poorly graded gravel with sand were encountered. Debris (timber, plastic, brick, and roofing materials) was observed in each boring. No odors, discoloration, staining, or sheens were observed while logging the soil cores. Groundwater was observed in the soil cores between 12 and 13.5 feet bgs.

Analytical Results

Analytical results are summarized in Table 1. The laboratory analytical report is included as Attachment 2. Each sample was analyzed for the following constituents:

- TPHg and TPHd;
- BTEX;
- methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl ether (TAME); and
- ethanol, 1,2-dichloroethane (EDC), and 1,2-dibromoethane (EDB).

Soil analytical results were compared to Environmental Screening Levels (ESLs) for commercial/industrial land use where groundwater is not a current or potential drinking water source as published by the San Francisco Bay Regional Water Quality Control Board[7] (Water Board). Concentrations of compounds detected below the corresponding screening levels (i.e., ESLs) are assumed to not pose a significant threat to human health and the environment. TPHd was detected in the shallower soil samples (i.e. samples collected at 6 and 7 feet bgs) at concentrations ranging from 6.5 to 120 mg/kg, below its ESL of 500 mg/kg. TPHg, BTEX and the fuel oxygenates were not detected above the laboratory reporting limit in any soil sample. Because the analytical results for the shallower soil samples indicated the absence of gasoline-related constituents, the deeper soil samples were not analyzed.

Grab groundwater analytical results were compared to ESLs for groundwater where groundwater is not a current or potential drinking water source. TPHd was detected in grab groundwater sample SB-02-GW at a concentration of 950 µg/l, above the ESL of 640 µg/l but at the same order of magnitude. All other constituents were not detected or detected below their respective ESLs in all samples.

No constituents were detected above the laboratory reporting limits in QA/QC samples (equipment blank samples for both soil and water, and trip blank). Sample SB-11-GW is a blind duplicate of sample SB-01-GW (Table 1). Based on results from the analysis of QA/QC samples, the laboratory data is both precise and accurate.

CONCLUSIONS

Low concentrations of TPHd in soil samples are likely due to historical fill on the site, as diesel was not stored in the former USTs targeted during this investigation and TPHd has been detected in soil samples collected in other areas of the peninsula. TPHd was the only compound detected in soil samples above the laboratory's reporting limits. The absence of TPHg, BTEX, and fuel oxygenate compounds in soil samples indicate that the elevated TPHg concentrations found in soil samples during the removal of the USTs and fuel dispensers likely were confined to a limited area and/or have naturally attenuated. This conclusion is further supported by the general absence of gasoline-related constituents in groundwater.

Based on the current laboratory analytical results and previous investigations at the site, groundwater is somewhat impacted with TPHd, but likely not at levels posing a significant human health risk given that groundwater beneath the site is not a current or potential source

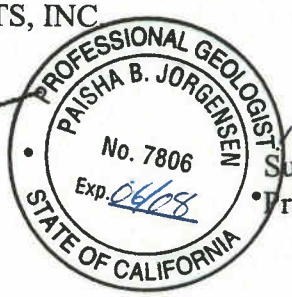
[7] *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* Interim Final, Regional Water Quality Control Board, San Francisco Bay Region, February 2005.

of drinking water. As diesel was not stored in the former USTs targeted during this investigation, the TPHd concentrations in site groundwater are likely due to historical fill on the site. TPHg, BTEX, and fuel oxygenate compounds are not present at concentrations above ESLs or at concentrations that would suggest a significant impact from the former gasoline USTs or dispensers.

Based on the general absence of gasoline-related constituents in the subsurface, on behalf of Hines, we respectfully request that ACEH issue a determination that no further action is required at this site at this time and close the case number listed above in its records.

Please feel free to call either of the undersigned if you have any questions.

Sincerely yours,
GEOMATRIX CONSULTANTS, INC



Paisha Jorgensen, PG #7806
Project Geologist

Susan M. Gallardo, PE #C38154
Principal Engineer

PJ/SMG/ldu

Attachments: Table 1 – Summary of Soil and Grab Groundwater Sampling Results
Figure 1 – Site Location Map
Figure 2 – Previous Sampling Locations
Figure 3 – Soil and Grab Groundwater Sampling Locations
Attachment 1 – Lithologic Logs
Attachment 2 – Analytical Laboratory Report

cc: Mr. Dan Poritzky, Hines
Mr. George Clever, Hines

TABLE

Geomatrix

TABLE 1

SUMMARY OF SOIL AND GRAB GROUNDWATER SAMPLING RESULTS

Watergate Towers
Emeryville, California

SOIL

Sample ID	Date	Sample Depth (feet bgs)	SOIL SAMPLE ANALYTICAL RESULTS													
			TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Ethanol
Soil sample concentrations reported in millligram per kilogram (mg/kg).																
SB-01-7	7/17/2007	7	6.5 J	<0.93[2]	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.96
SB-02-7	7/17/2007	7	80 J	<0.93	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.094	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.94
SB-04-6	7/17/2007	6	120 J	<0.94	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.098	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.98
Environmental Screening Level[3]			500	400	0.38	9.3	32	11	5.6	110	--	--	--	0.02	0.07	45

GROUNDWATER

Sample ID	Date	Sample Depth (feet bgs)	GRAB GROUNDWATER SAMPLE ANALYTICAL RESULTS													
			TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Ethanol
Grab groundwater sample concentrations reported in microgram per liter (µg/l).																
SB-01-GW	7/17/2007	NA	390/420[4] J	<50/<50	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	1.6/1.2	<10/<10	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	<1,000/<1,000
SB-02-GW	7/17/2007	NA	**950 J**	65	0.59	1.2	<0.5	0.82	69	<10	<0.5	<0.5	6.6	<0.5	<0.5	<1,000
SB-04-GW	7/17/2007	NA	290 J	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<10	0.54	<0.5	<0.5	<0.5	<0.5	<1,000
Environmental Screening Level[5]			640	500	46	130	290	100	1800	18,000	--	--	--	150	200	50,000

Notes:

1. Grab groundwater samples were collected by Geomatrix Consultants, Inc., of Oakland, California, and analyzed by Curtis & Tompkins, of Berkeley, California for TPHd and TPHg using EPA Method 8015B following silica gel prepartation; and benzene, toluene, ethylbenzene, total xylenes, MTBE, TBA, DIPE, ETBE, TAME, 1,2-DCA, EDB, and ethanol using EPA Method 8260B.
2. < = Analyte not detected above laboratory reporting limit.
3. Environmental Screening Levels (ESLs). San Francisco Bay Regional Water Quality Control Board (Water Board), Interim Final February 2005.
   Table B-2. Commercial/Industrial Land Use: Fianl ESL, Shallow Soil (equal or less than 3 meters bgs), groundwater IS NOT a current or potential drinking water resource (mg/kg).
4. / = Indicates blind duplicate sample collected from boring. Blind duplicate sample results are shown with the grab groundwater sample results.
5. ESLs. Water Board, Interim Final February 2005.
   Table F-1b. Groundwater Screening Levels: Final Groundwater Screening Level, groundwater IS NOT a current or potential drinking water resource (µg/l).
6. **Bolded** values are detections greater than the environmental screening level.

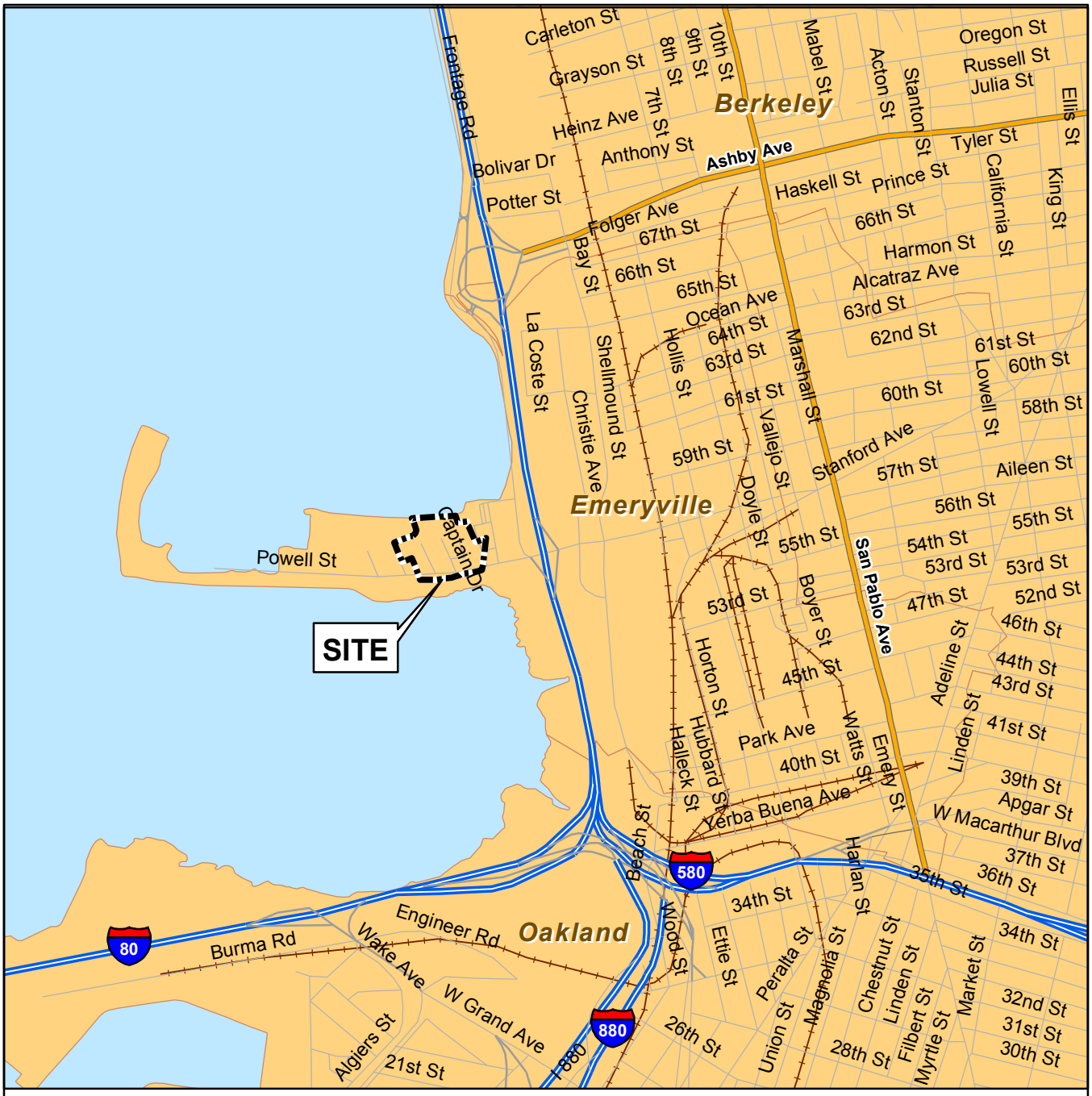
Abbreviations:

"--" = No screening level published
1,2-DCA = 1,2-dichloroethane
bgs = below ground surface
DIPE = di-isopropyl ether
EDB = 1,2-dibromoethane
ETBE = ethyl tert-butyl ether
MTBE = methyl tert-butyl ether
NA = Not Applicable
TAME = tert-amyl methyl ether
TBA = tert-butyl alcohol
TPHd = total petroleum hydrocarbons quantified as diesel
TPHg = total petroleum hydrocarbons quantified as gasoline

Data Flags:

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

FIGURES



Basemap from Streetmap 2003 (Environmental Systems Research Institute, Inc. [ESRI], 2003).

N

0 2,000 Feet

SITE LOCATION MAP
1900, 2000, 2200 Powell Street
Emeryville, California

By: _	Date: 05/23/2007	Project No. 12924.000
Geomatrix		Figure 1

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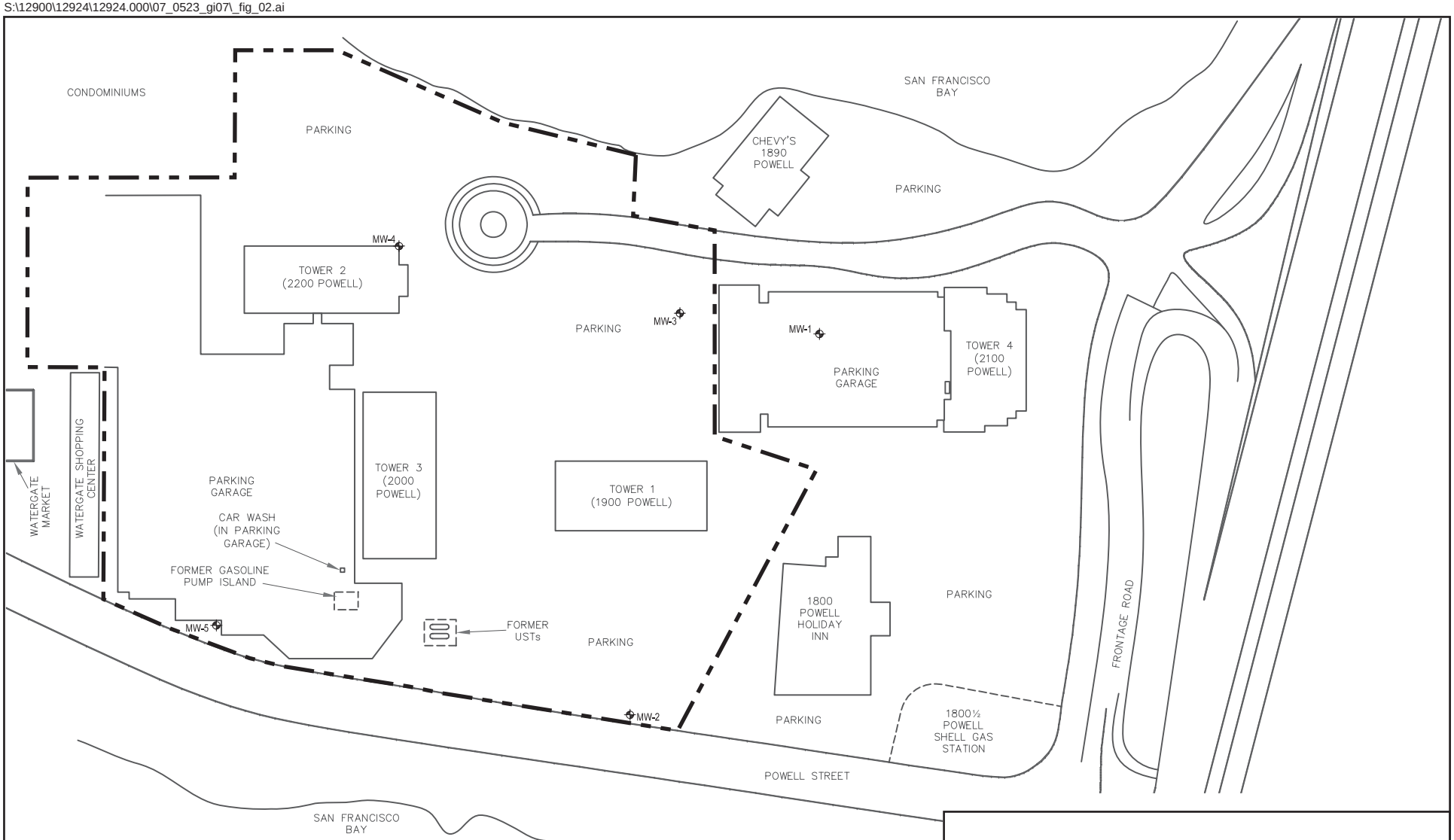

EXPLANATION

Property boundary

MW-1 Monitoring well

Note:
Basemap from URS Phase I ESA, dated September 28, 2006.

Not to Scale

PREVIOUS SAMPLING LOCATIONS
2000 Powell Street
Emeryville, California

By: _	Date: 05/23/2007	Project No. 12924.000
Geomatrix		Figure **2**

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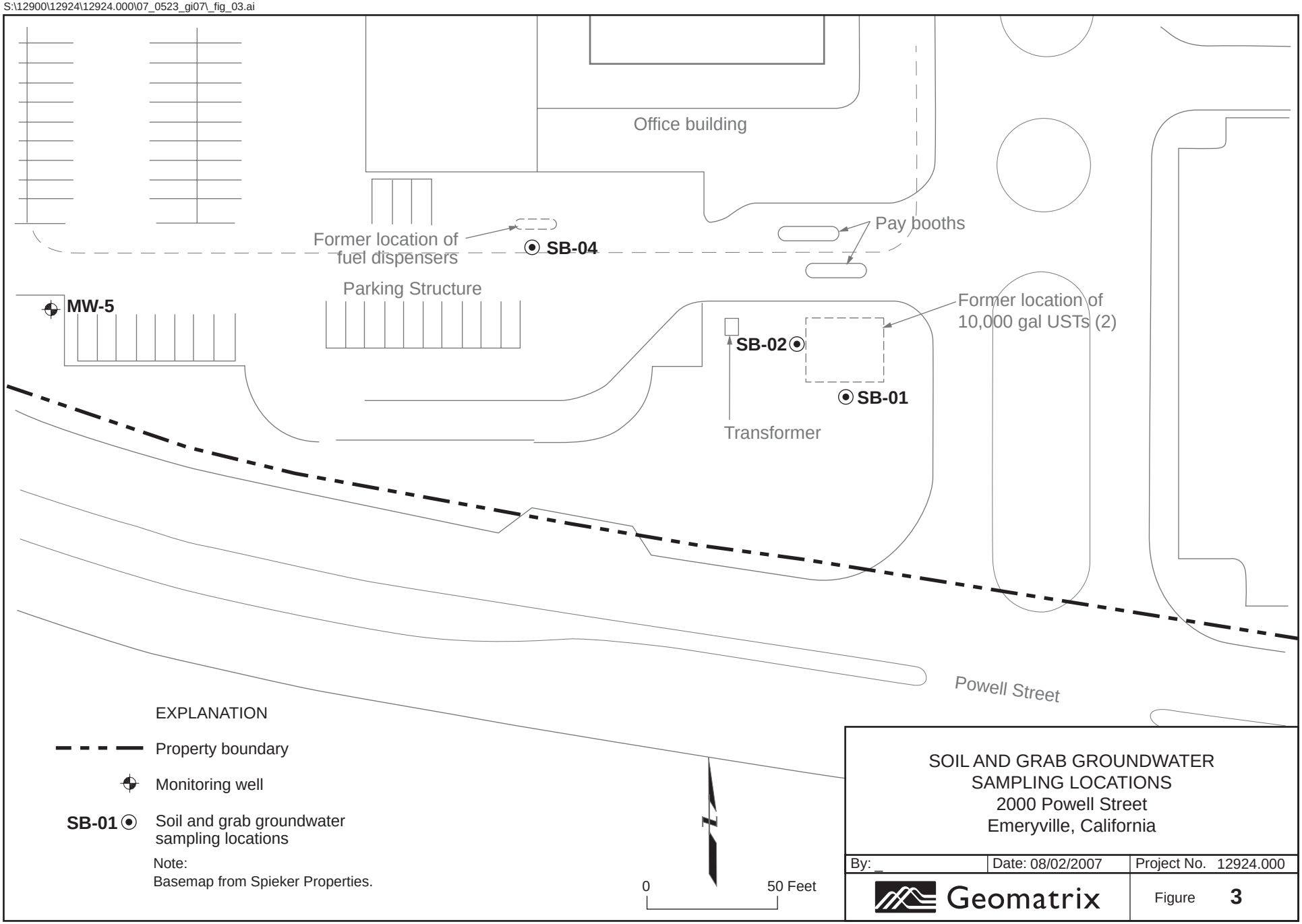

SOIL AND GRAB GROUNDWATER
SAMPLING LOCATIONS
2000 Powell Street
Emeryville, California

By: _	Date: 08/02/2007	Project No. 12924.000
Geomatrix		Figure 3

ATTACHMENT 1

Lithologic Logs

PROJECT: WATERGATE TOWERS Emeryville, California	**Log of Boring No. SB-01**
BORING LOCATION: 5' south of former UST area	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Precision Sampling, Inc.	DATE STARTED: 7/17/07 / DATE FINISHED: 7/17/07
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 18.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7720 DT	DEPTH TO WATER (ft.) FIRST: 13.5 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [4' x 1.5"]	LOGGED BY: P. Jorgensen/T. Klitzke
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: P. Jorgensen / REG. NO. PG 7806

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
0					POORLY GRADED SAND with CLAY(SP-SC): olive brown (2.5Y 4/3), moist, 90% fine to medium sand, 10% nonplastic fines	OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
3					80% fine to medium sand, 10% fine to coarse gravel, 10% nonplastic fines	Hand augered to 3 feet bgs.
3.5					brick debris	
6	SB-01-7			24	POORLY GRADED SAND(SP): dark gray (2.5YR 4/1), wet, 95% fine to medium sand, 5% fines	
7					LEAN CLAY with SAND(CL): dark greenish gray (10GY 4/1), moist, 75% fines, 25% fine to medium sand, medium plasticity, firm	
9				1.4	CLAYEY SAND with GRAVEL(SC): dark gray (N 4/), moist, 60% fine to coarse sand, 25% low plasticity fines, 15% fine gravel, wood debris [FILL]	Grab groundwater sample SB-01-GW collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 13 to 18 feet bgs. Drive casing retracted from bottom of boring to 13 feet bgs to maintain surface seal.
13	SB-01-15			0.2	rubber debris	
13.5					CLAYEY SAND(SC): black (N 2.5/), wet, 75% fine to coarse sand, 25% low plasticity fines, abundant wood debris [FILL]	
15						

OAKBOREV (REV. 3/00)

PROJECT: WATERGATE TOWERS
Emeryville, California

Log of Boring No. SB-01 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
16					CLAYEY SAND(SC): cont'd		
17							
18					Bottom of boring at 18.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

OAKBOREV (REV. 3/00)

PROJECT: WATERGATE TOWERS Emeryville, California	**Log of Boring No. SB-02**
BORING LOCATION: 5' west former UST area	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Precision Sampling, Inc.	DATE STARTED: 7/17/07 / DATE FINISHED: 7/17/07
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 19.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7720 DT	DEPTH TO WATER (ft.) FIRST: 13.5 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [4' x 1.5"]	LOGGED BY: P. Jorgensen/T. Klitzke
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: P. Jorgensen / REG. NO.: PG 7806

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
0					CLAYEY SAND(SC): dark olive brown (2.5Y 3/3), moist, 70% fine to medium sand, 30% medium plasticity fines	OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
3					dark gray (N 4/)	
4					70% fine to medium sand, 20% meidum plasticity fines, 10% fine gravel, wood debris, plastic debris, tar shingles [FILL]	Hand augered to 4 feet bgs.
7	SB-02-7			0.2		
10					very dark gray (N 3/), 60% fine to medium sand, 30% medium plasticity fines, 10% fine to coarse gravel, brick debris [FILL]	
13	SB-02-14				POORLY GRADED GRAVEL with SAND(GP): greenish gray (10Y 5/2), wet, 70% fine to coarse gravel, 25% fine to coarse sand, 5% fines	Grab groundwater sample SB-02-GW collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 14 to 19 feet bgs. Drive casing retracted from bottom of boring to 14 feet bgs to maintain surface seal.
15						

PROJECT: WATERGATE TOWERS
Emeryville, California

Log of Boring No. SB-02 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
16					POORLY GRADED GRAVEL with SAND(GP): cont'd	
17						
18						
19					Bottom of boring at 19.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

PROJECT: WATERGATE TOWERS Emeryville, California	**Log of Boring No. SB-04**
BORING LOCATION: Fuel dispenser area	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Precision Sampling, Inc.	DATE STARTED: 7/17/07 / DATE FINISHED: 7/17/07
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7720 DT	DEPTH TO WATER (ft.) FIRST: 12.0 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [4' x 1.5"]	LOGGED BY: P. Jorgensen/T. Klitzke
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: P. Jorgensen / REG. NO.: PG 7806

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
0					ASPHALTIC CONCRETE: (3 inches thick)	
1					LEAN CLAY(CL): greenish black (10Y 2.5/1), moist, 90% fines, 10% fine to medium sand, medium plasticity, firm	OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
2						
3						Hand augered to 3 feet bgs.
4						
5				0.2	trace coarse gravel	
6	SB-04-6					
7				0.2	brick debris dark greenish gray (5GY 4/1)	
8				0.2		
9						
10					GRAVELLY LEAN CLAY(CL): very dark gray (N 3/), moist, 70% fines, 25% coarse gravel, 5% fine to medium sand, low to medium plasticity, firm	
11						Grab groundwater sample SB-04-GW collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 11 to 16 feet bgs. Drive casing retracted from bottom of boring to 11 feet bgs to maintain surface seal.
12	SB-04-12.5				wet	
13					CLAYEY SAND(SC): black (N 2.5/), wet, 65% fine to medium sand, 35% low plasticity fines	
14						
15						

PROJECT: WATERGATE TOWERS
Emeryville, California

Log of Boring No. SB-04 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
16		X		0.2	wood debris, plastic debris CLAYEY SAND(SC): cont'd		
					Bottom of boring at 16.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17							
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ATTACHMENT 2

Analytical Laboratory Report

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 196096

Geomatrix Consultants	Project : STANDARD
2101 Webster Street	Location : Watergate Towers
Oakland, CA 94612	Level : II

Sample ID	Lab ID
SB-01-7	196096-001
SB-01-15	196096-002
TB-071707	196096-003
SB-01-GW	196096-004
SB-02-7	196096-005
SB-11-GW	196096-006
SB-02-14	196096-007
SB-02-GW	196096-008
EB-GW-071707	196096-009
EB-SB-071707	196096-010
SB-04-06	196096-011
SB-04-12.5	196096-012
SB-04-GW	196096-013

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Signature: _____ Date: 07/26/2007
Project Manager

Signature: _____ Date: 07/26/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196096**
Client:	**Geomatrix Consultants**
Location:	**Watergate Towers**
Request Date:	**07/19/07**
Samples Received:	**07/19/07**

This hardcopy data package contains sample and QC results for seven water samples and three soil samples, requested for the above referenced project on 07/19/07. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
Matrix spikes were not reported for batch 127443 because the parent sample required a dilution that would have diluted out the spikes. No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
SB-02-GW (lab # 196096-008) and SB-04-GW (lab # 196096-013) had pH greater than 2, however the samples were analyzed within 7 days. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127471
Units:	mg/Kg	Sampled:	07/17/07
Basis:	as received	Received:	07/19/07
Diln Fac:	1.000	Analyzed:	07/20/07

Field ID: SB-01-7 Lab ID: 196096-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.93

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SB-02-7 Lab ID: 196096-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.93

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	70-132
Bromofluorobenzene (FID)	102	66-138

Field ID: SB-04-06 Lab ID: 196096-011
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.94

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	70-132
Bromofluorobenzene (FID)	104	66-138

Type: BLANK Lab ID: QC397230

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	70-132
Bromofluorobenzene (FID)	99	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC397231	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127471
Units:	mg/Kg	Analyzed:	07/20/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.67	107	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	70-132
Bromofluorobenzene (FID)	112	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	SB-04-06	Diln Fac:	1.000
MSS Lab ID:	196096-011	Batch#:	127471
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/20/07

Type: MS Lab ID: QC397232

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1769	9.524	7.741	79	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	70-132
Bromofluorobenzene (FID)	117	66-138

Type: MSD Lab ID: QC397233

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.615	7.455	76	36-120	5	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	70-132
Bromofluorobenzene (FID)	116	66-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/17/07
Units:	ug/L	Received:	07/19/07
Diln Fac:	1.000	Prepared:	07/21/07
Batch#:	127482		

Field ID: SB-01-GW
Type: SAMPLE
Lab ID: 196096-004
Analyzed: 07/24/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	390 H Y	50

Surrogate	%REC	Limits
Hexacosane	93	61-134

Field ID: SB-11-GW
Type: SAMPLE
Lab ID: 196096-006
Analyzed: 07/24/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	420 H Y	50

Surrogate	%REC	Limits
Hexacosane	91	61-134

Field ID: SB-02-GW
Type: SAMPLE
Lab ID: 196096-008
Analyzed: 07/24/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	950 H Y Z	50

Surrogate	%REC	Limits
Hexacosane	91	61-134

Field ID: EB-GW-071707
Type: SAMPLE
Lab ID: 196096-009
Analyzed: 07/23/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	101	61-134

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/17/07
Units:	ug/L	Received:	07/19/07
Diln Fac:	1.000	Prepared:	07/21/07
Batch#:	127482		

Field ID: EB-SB-071707 Analyzed: 07/23/07
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196096-010

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	104	61-134

Field ID: SB-04-GW Analyzed: 07/23/07
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196096-013

Analyte	Result	RL
Diesel C10-C24	290 H Y	50

Surrogate	%REC	Limits
Hexacosane	105	61-134

Type: BLANK Analyzed: 07/22/07
Lab ID: QC397291 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	105	61-134

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397292	Batch#:	127482
Matrix:	Water	Prepared:	07/21/07
Units:	ug/L	Analyzed:	07/22/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,192	88	58-130

Surrogate	%REC	Limits
Hexacosane	98	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127482
MSS Lab ID:	196040-002	Sampled:	07/17/07
Matrix:	Water	Received:	07/17/07
Units:	ug/L	Prepared:	07/21/07
Diln Fac:	1.000	Analyzed:	07/23/07

Type: MS Lab ID: QC397293

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<15.44	2,500	2,261	90	57-134

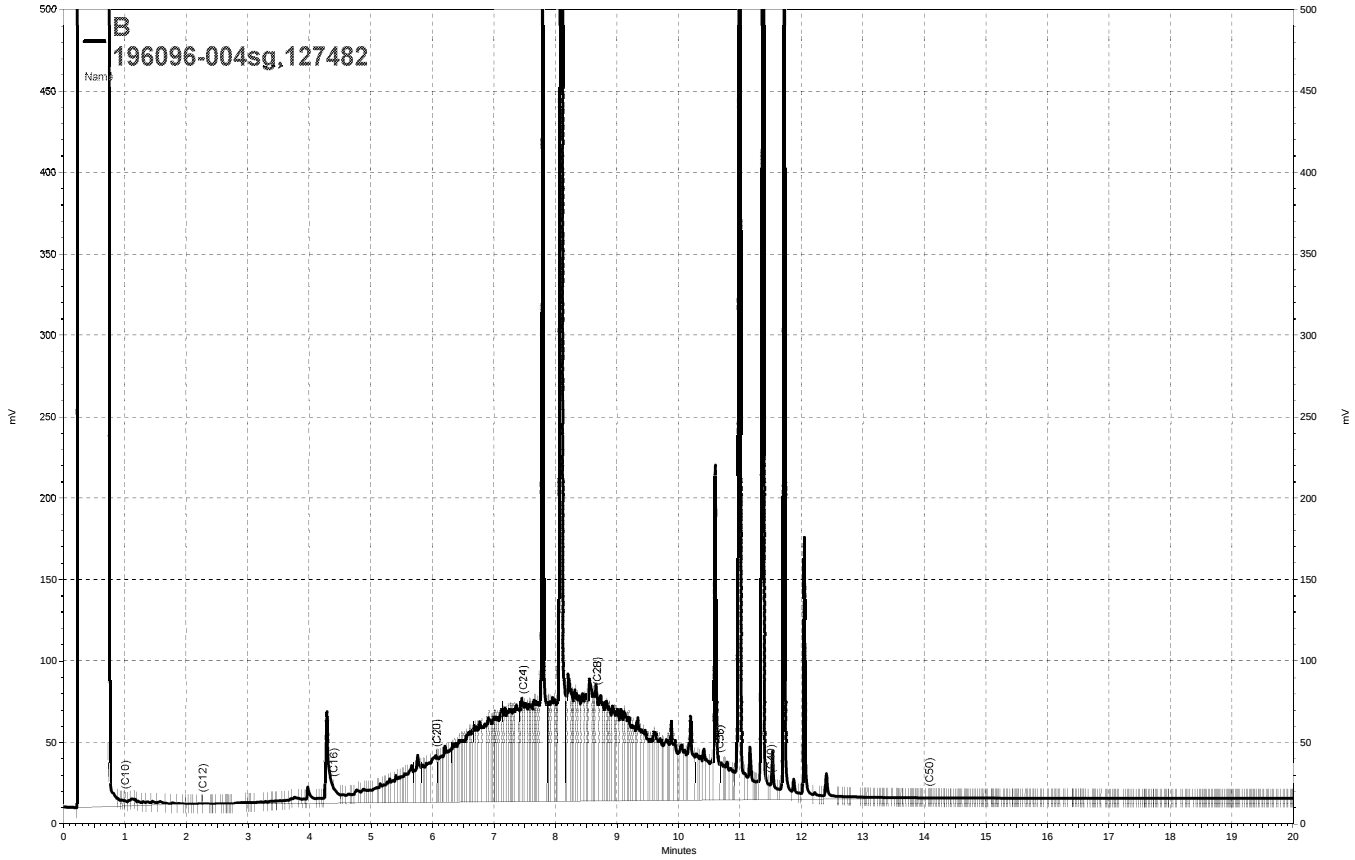
Surrogate	%REC	Limits
Hexacosane	95	61-134

Type: MSD Lab ID: QC397294

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,318	93	57-134	3	32

Surrogate	%REC	Limits
Hexacosane	95	61-134

RPD= Relative Percent Difference



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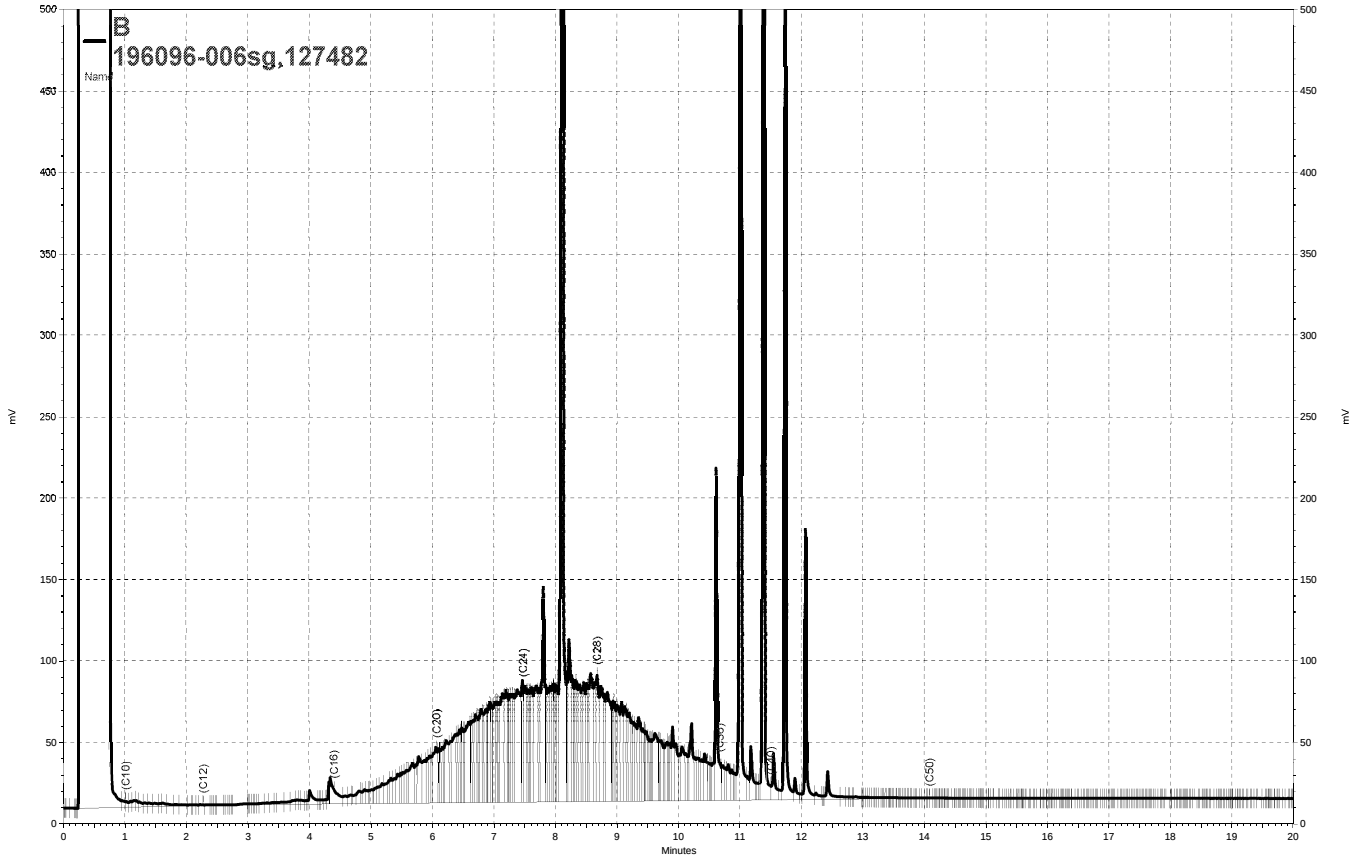

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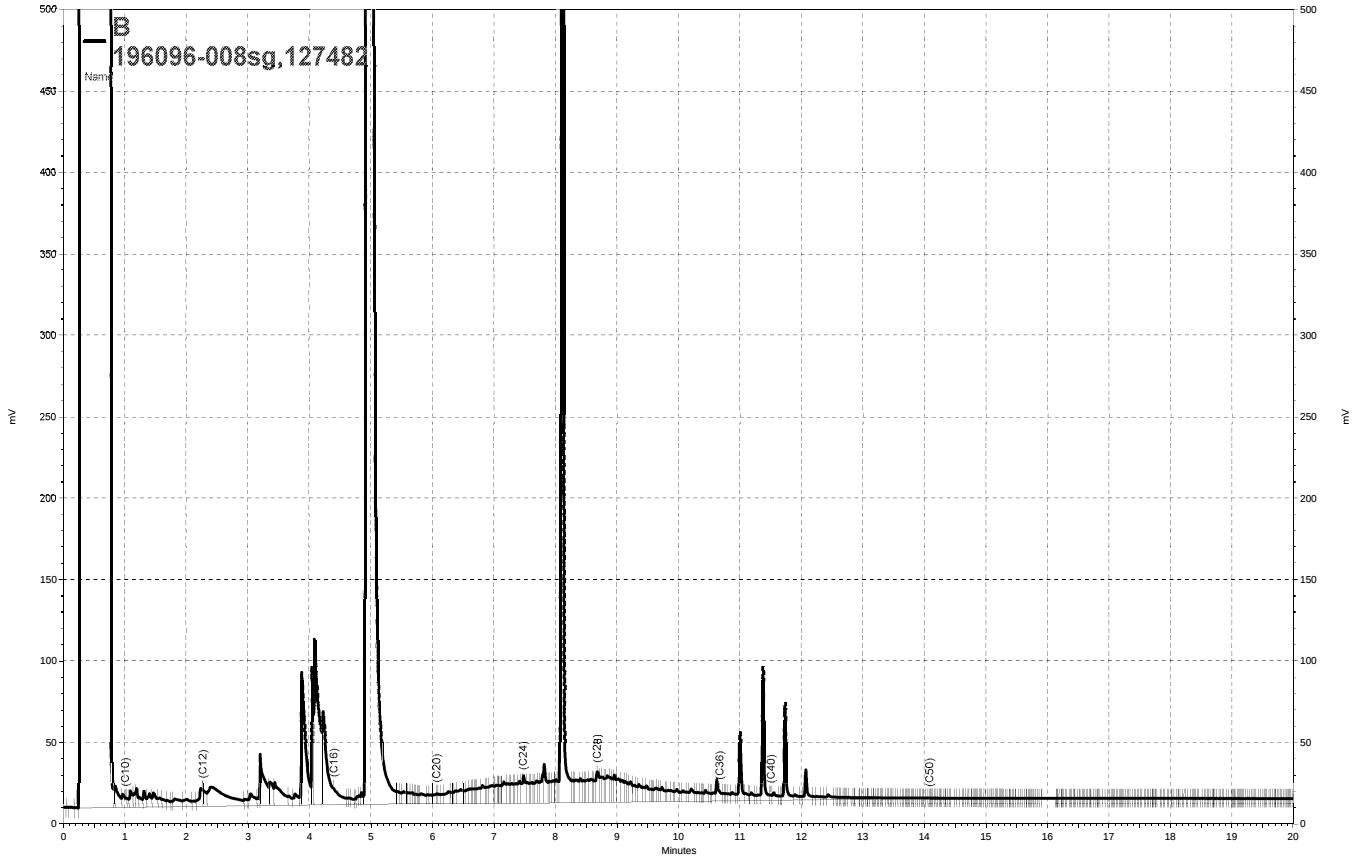

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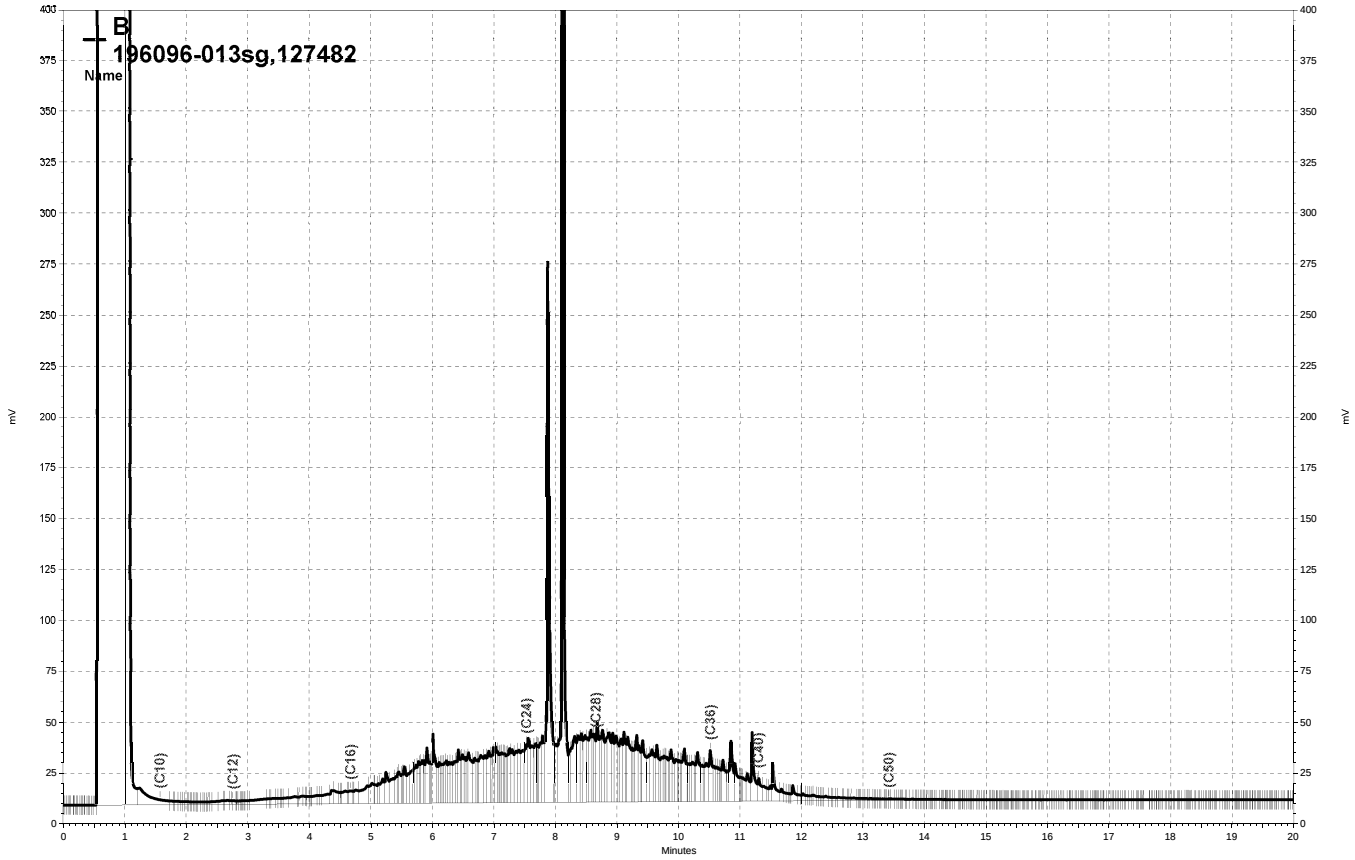

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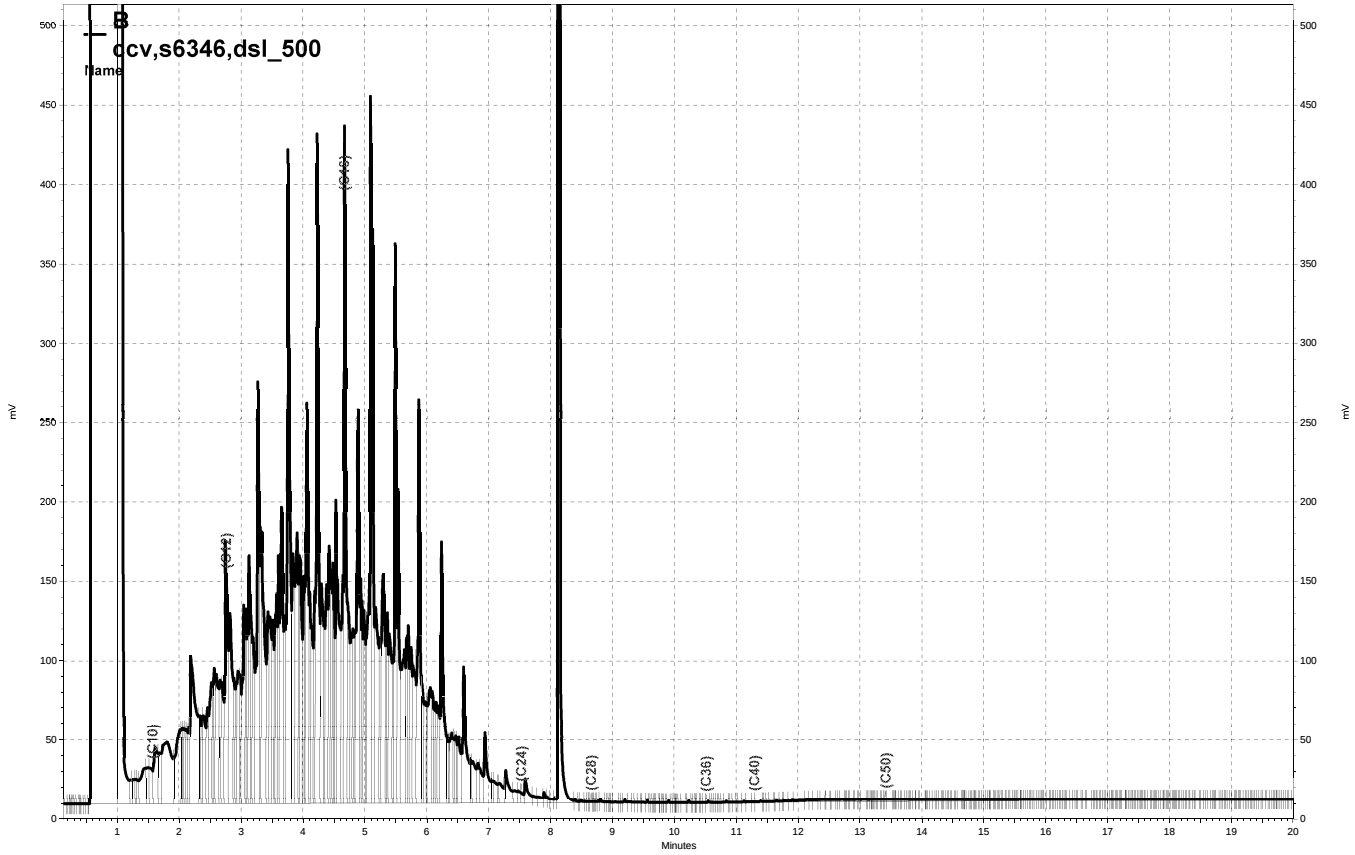

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Analysis:	EPA 8015B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received		

Field ID:	SB-01-7	Batch#:	127735
Type:	SAMPLE	Prepared:	07/27/07
Lab ID:	196096-001	Analyzed:	07/30/07
Diln Fac:	1.000	Prep:	SHAKER TABLE

Analyte	Result	RL
Diesel C10-C24	6.5 H Y	0.99

Surrogate	%REC	Limits
Hexacosane	78	40-127

Field ID:	SB-02-7	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/20/07
Lab ID:	196096-005	Prep:	EPA 3550B
Diln Fac:	10.00	Cleanup Method:	EPA 3630C
Batch#:	127443		

Analyte	Result	RL
Diesel C10-C24	80 H Y	10

Surrogate	%REC	Limits
Hexacosane	DO	40-127

Field ID:	SB-04-06	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/20/07
Lab ID:	196096-011	Prep:	EPA 3550B
Diln Fac:	10.00	Cleanup Method:	EPA 3630C
Batch#:	127443		

Analyte	Result	RL
Diesel C10-C24	120 H Y	10

Surrogate	%REC	Limits
Hexacosane	DO	40-127

Type:	BLANK	Prepared:	07/20/07
Lab ID:	QC397111	Analyzed:	07/20/07
Diln Fac:	1.000	Prep:	EPA 3550B
Batch#:	127443	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	58	40-127

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Analysis:	EPA 8015B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received		

Type:	BLANK	Prepared:	07/27/07
Lab ID:	QC398480	Analyzed:	07/29/07
Diln Fac:	1.000	Prep:	SHAKER TABLE
Batch#:	127735		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	77	40-127

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397112	Batch#:	127443
Matrix:	Soil	Prepared:	07/20/07
Units:	mg/Kg	Analyzed:	07/20/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.75	34.71	70	58-127

Surrogate	%REC	Limits
Hexacosane	71	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC398481	Batch#:	127735
Matrix:	Soil	Prepared:	07/27/07
Units:	mg/Kg	Analyzed:	07/30/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.95	45.95	92	58-127

Surrogate	%REC	Limits
Hexacosane	94	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127735
MSS Lab ID:	196289-001	Sampled:	07/27/07
Matrix:	Soil	Received:	07/27/07
Units:	mg/Kg	Prepared:	07/27/07
Basis:	as received	Analyzed:	07/30/07
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC398482

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	29.21	49.94	63.98	70	29-147

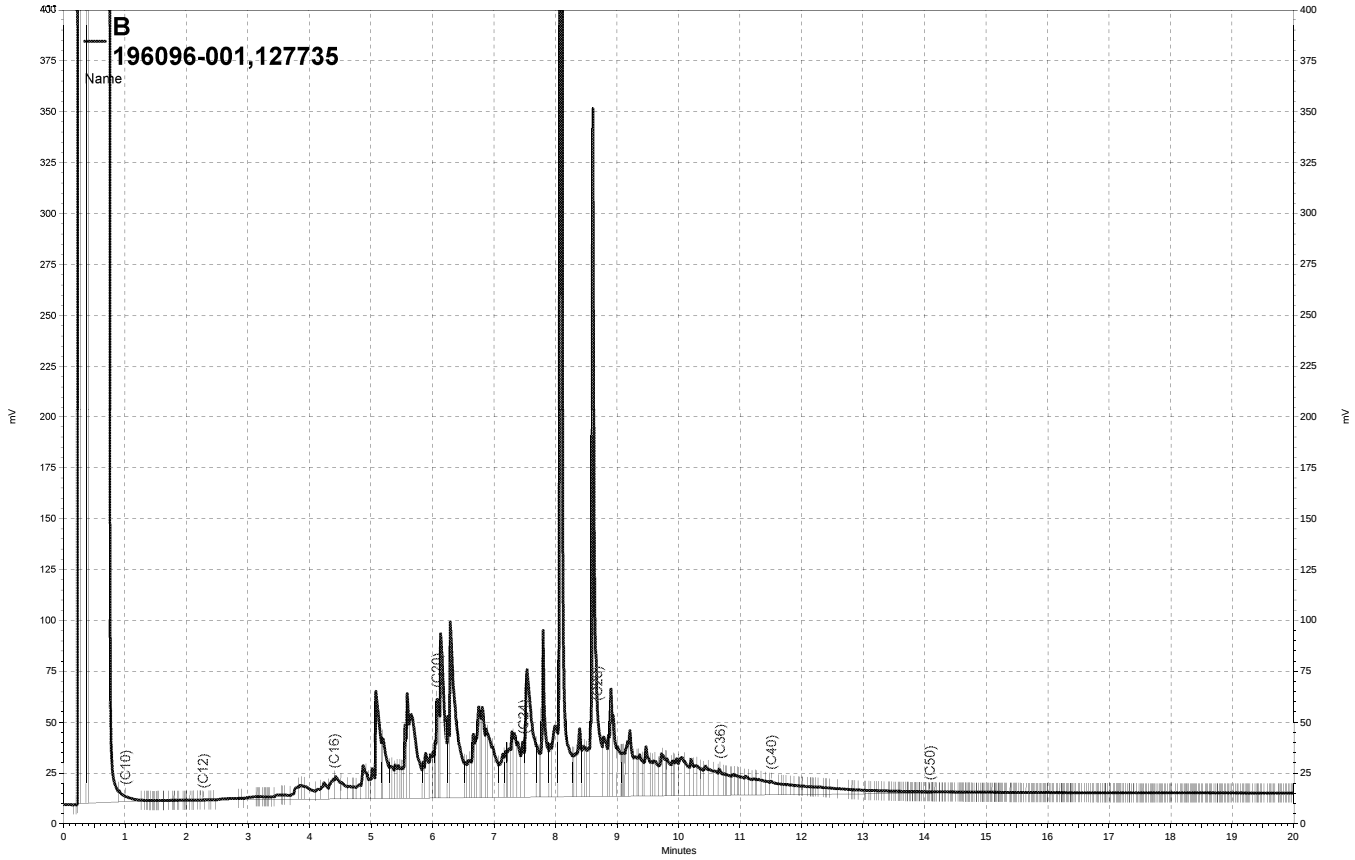
Surrogate	%REC	Limits
Hexacosane	92	40-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC398483

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.98	74.22	90	29-147	15	46

Surrogate	%REC	Limits
Hexacosane	96	40-127

RPD= Relative Percent Difference



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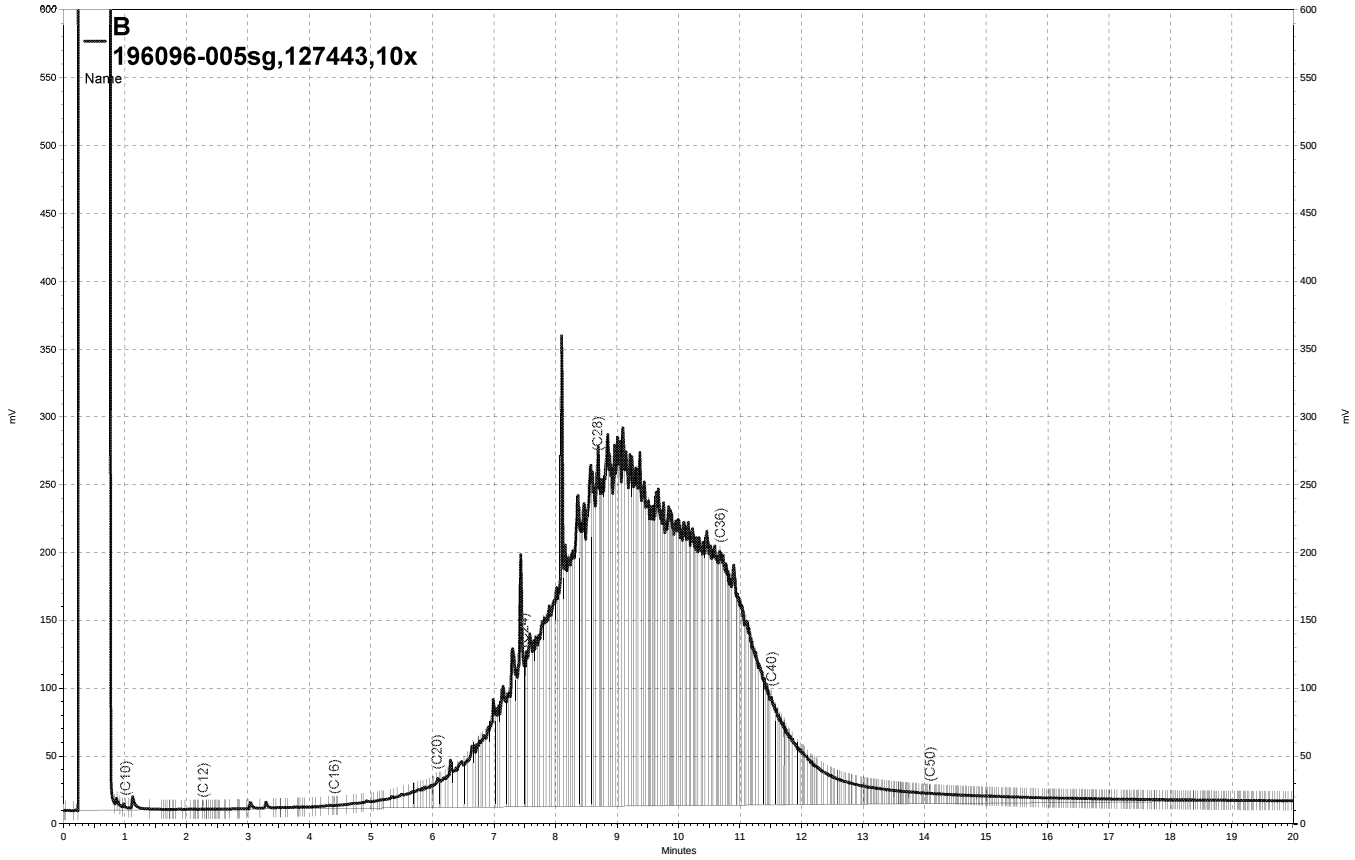

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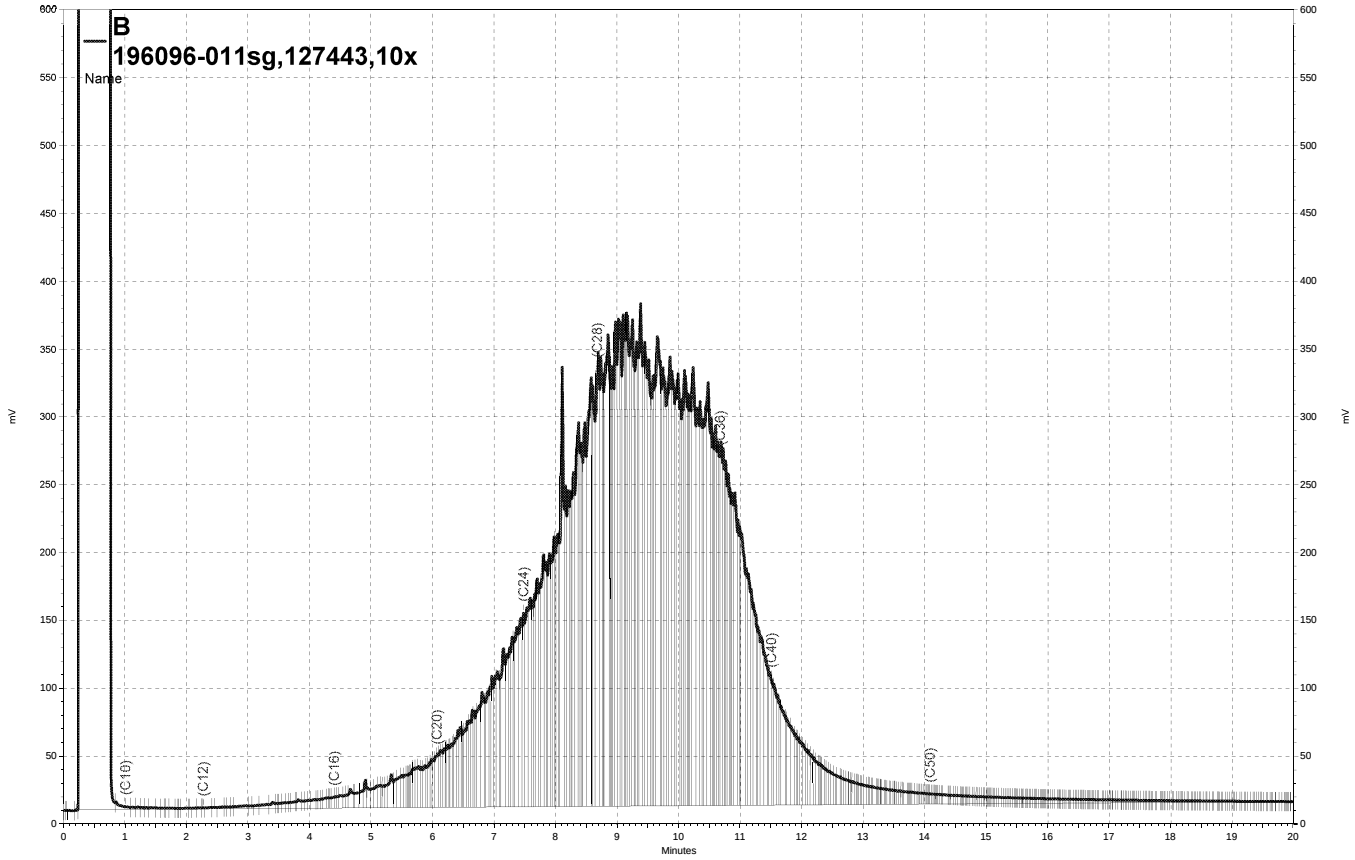

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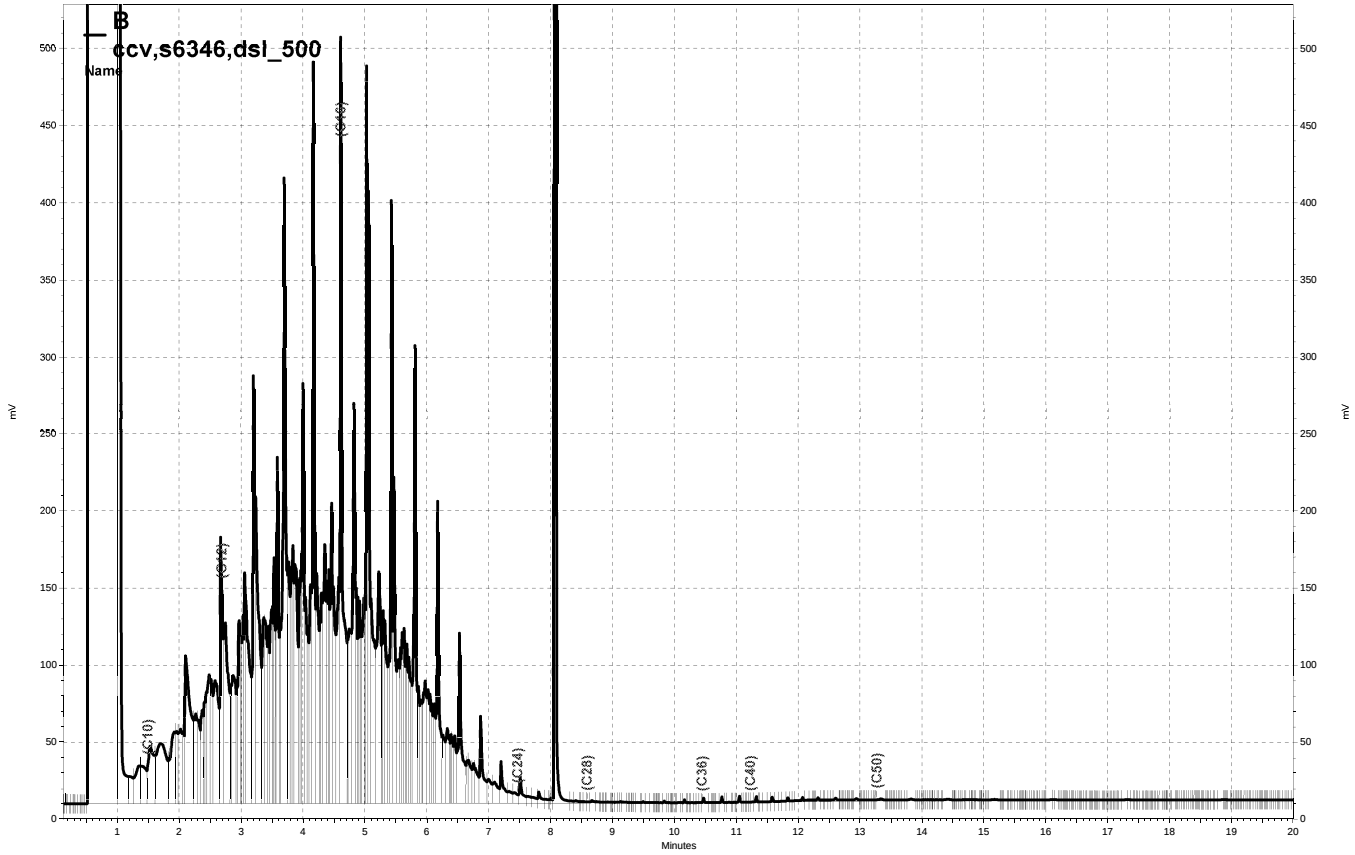

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	TB-071707	Batch#:	127450
Lab ID:	196096-003	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-01-GW	Batch#:	127450
Lab ID:	196096-004	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	1.6	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-11-GW	Batch#:	127450
Lab ID:	196096-006	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	1.2	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-02-GW	Batch#:	127450
Lab ID:	196096-008	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	65 Y	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	6.6	0.50
Ethanol	ND	1,000
MTBE	69	0.50
1,2-Dichloroethane	ND	0.50
Benzene	0.59	0.50
Toluene	1.2	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	0.67	0.50
o-Xylene	0.82	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	101	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-122

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	EB-GW-071707	Batch#:	127450
Lab ID:	196096-009	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	EB-SB-071707	Batch#:	127450
Lab ID:	196096-010	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	102	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-04-GW	Batch#:	127450
Lab ID:	196096-013	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	0.54	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127450
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397133

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	111.5	89	68-132
Isopropyl Ether (DIPE)	25.00	20.79	83	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	21.63	87	75-124
Methyl tert-Amyl Ether (TAME)	25.00	26.67	107	77-120
MTBE	25.00	23.05	92	71-120
1,2-Dichloroethane	25.00	25.16	101	79-121
Benzene	25.00	26.46	106	80-120
Toluene	25.00	26.80	107	80-120
1,2-Dibromoethane	25.00	25.08	100	80-120
Ethylbenzene	25.00	28.70	115	80-124
m,p-Xylenes	50.00	59.44	119	80-127
o-Xylene	25.00	28.56	114	80-124

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC397134

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	105.8	85	68-132	5	20
Isopropyl Ether (DIPE)	25.00	18.51	74	65-120	12	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.88	80	75-124	8	20
Methyl tert-Amyl Ether (TAME)	25.00	23.79	95	77-120	11	20
MTBE	25.00	20.50	82	71-120	12	20
1,2-Dichloroethane	25.00	23.00	92	79-121	9	20
Benzene	25.00	23.45	94	80-120	12	20
Toluene	25.00	24.80	99	80-120	8	20
1,2-Dibromoethane	25.00	23.16	93	80-120	8	20
Ethylbenzene	25.00	25.63	103	80-124	11	20
m,p-Xylenes	50.00	53.25	107	80-127	11	20
o-Xylene	25.00	25.60	102	80-124	11	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397135	Batch#:	127450
Matrix:	Water	Analyzed:	07/20/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
Ethanol	ND	1,000
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127450
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397190

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	982.8	98	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	103	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC397191

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	957.8	96	80-121	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

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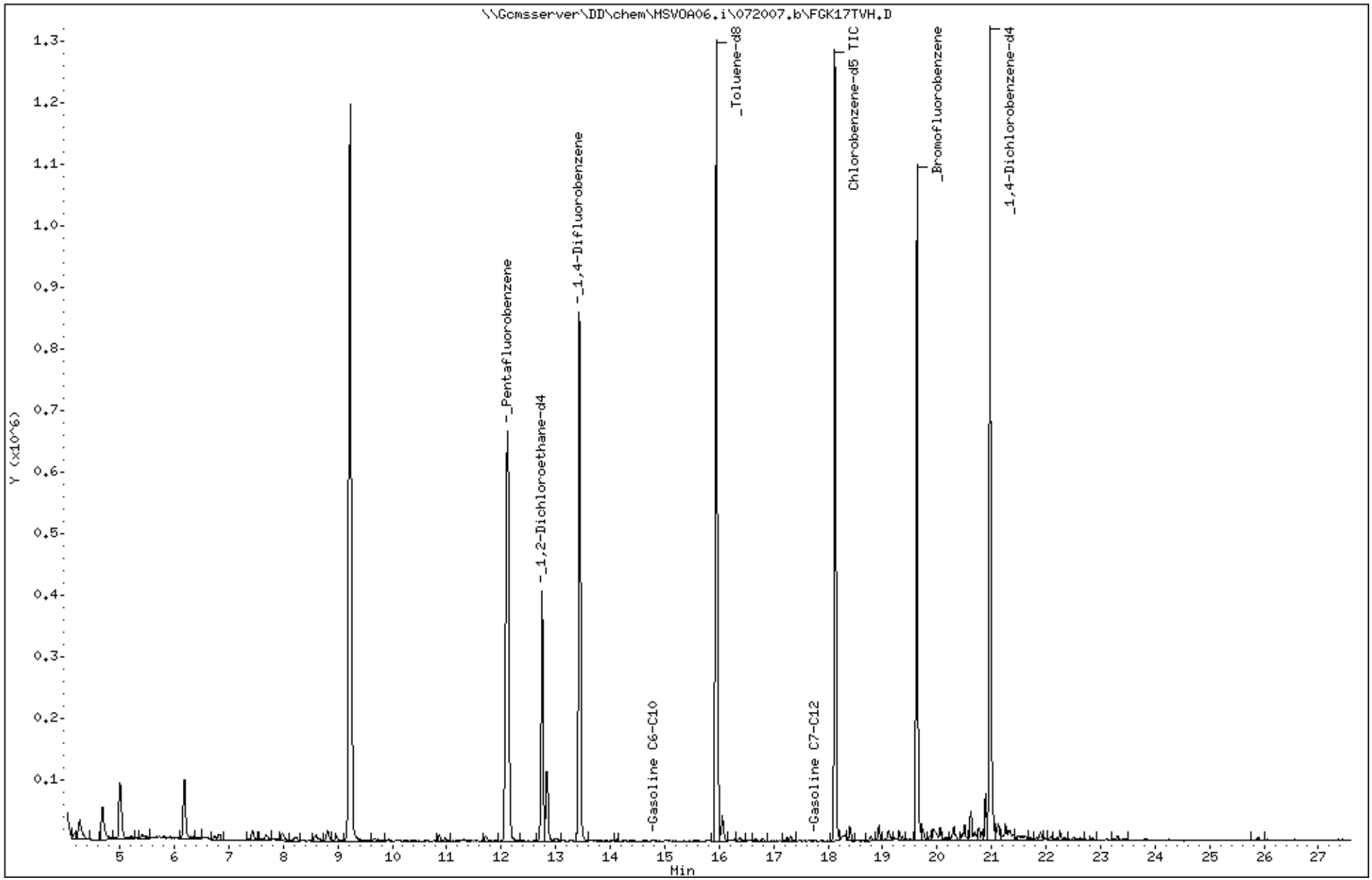
Client ID: DYNA P&T
Sample Info: S,196096-008

Instrument: MSVOA06.i

Operator: VOC
Column diameter: 2.00

Column phase:



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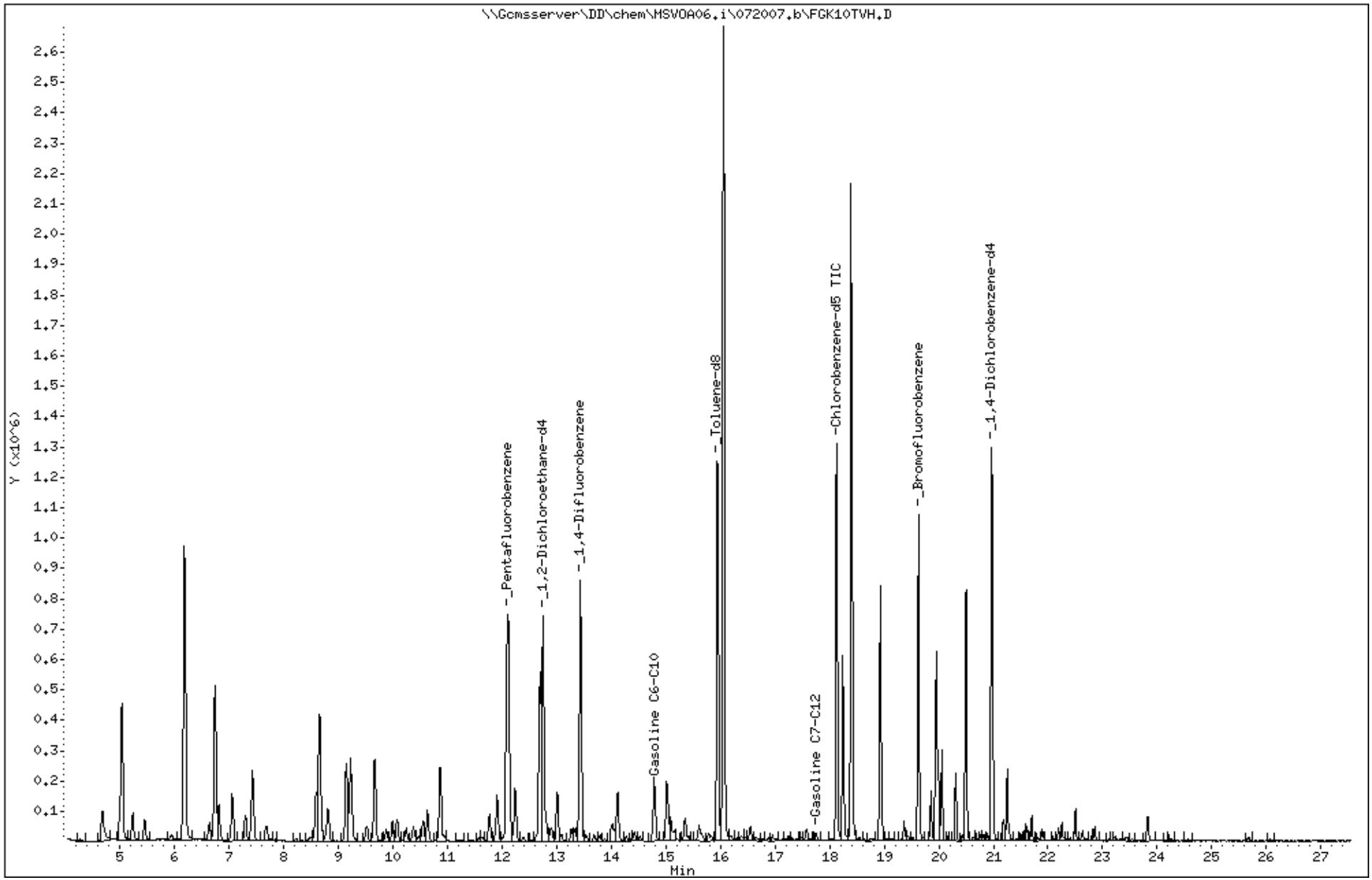
Sample Info: BS,QC397190

Instrument: MSVOA06.i
Operator: VOC
Column diameter: 2.00

Column phase:



Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-01-7	Diln Fac:	0.9615
Lab ID:	196096-001	Batch#:	127494
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Ethanol	ND	960
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-126
1,2-Dichloroethane-d4	97	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	95	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-02-7	Diln Fac:	0.9434
Lab ID:	196096-005	Batch#:	127494
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Ethanol	ND	940
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-126
1,2-Dichloroethane-d4	101	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-04-06	Diln Fac:	0.9804
Lab ID:	196096-011	Batch#:	127494
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Ethanol	ND	980
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	101	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	110	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC397378	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	125.2	100	56-130
MTBE	25.00	23.94	96	66-120
Isopropyl Ether (DIPE)	25.00	22.73	91	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	21.67	87	68-120
1,2-Dichloroethane	25.00	25.72	103	73-120
Benzene	25.00	25.43	102	80-120
Methyl tert-Amyl Ether (TAME)	25.00	25.40	102	73-120
Toluene	25.00	25.49	102	80-120
1,2-Dibromoethane	25.00	25.09	100	80-120
Ethylbenzene	25.00	26.99	108	80-125
m,p-Xylenes	50.00	52.22	104	80-123
o-Xylene	25.00	26.38	106	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	106	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397379	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Ethanol	ND	1,000
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397380	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Ethanol	ND	1,000
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-126
1,2-Dichloroethane-d4	93	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	93	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196096	Location:	Watergate Towers
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SB-04-06	Dil'n Fac:	0.9804
MSS Lab ID:	196096-011	Batch#:	127494
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/23/07

Type: MS Lab ID: QC397381

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<3.013	245.1	162.3	66	45-123
MTBE	1.011	49.02	41.34	82	55-120
Isopropyl Ether (DIPE)	<0.1696	49.02	41.09	84	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.08887	49.02	39.85	81	58-120
1,2-Dichloroethane	<0.1943	49.02	42.15	86	56-120
Benzene	0.2064	49.02	47.19	96	61-122
Methyl tert-Amyl Ether (TAME)	<0.1769	49.02	43.93	90	60-120
Toluene	<0.5418	49.02	44.85	92	57-124
1,2-Dibromoethane	<0.2179	49.02	39.30	80	57-120
Ethylbenzene	<0.5715	49.02	42.87	87	55-129
m,p-Xylenes	<1.282	98.04	81.15	83	53-127
o-Xylene	<0.5054	49.02	41.21	84	54-127

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	92	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-126

Type: MSD Lab ID: QC397382

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.1	140.9	57	45-123	14	32
MTBE	49.02	38.58	77	55-120	7	20
Isopropyl Ether (DIPE)	49.02	40.43	82	50-120	2	20
Ethyl tert-Butyl Ether (ETBE)	49.02	39.10	80	58-120	2	20
1,2-Dichloroethane	49.02	37.01	76	56-120	13	20
Benzene	49.02	46.77	95	61-122	1	20
Methyl tert-Amyl Ether (TAME)	49.02	44.24	90	60-120	1	20
Toluene	49.02	46.95	96	57-124	5	21
1,2-Dibromoethane	49.02	36.61	75	57-120	7	20
Ethylbenzene	49.02	47.19	96	55-129	10	23
m,p-Xylenes	98.04	92.06	94	53-127	13	23
o-Xylene	49.02	45.41	93	54-127	10	22

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-126
1,2-Dichloroethane-d4	81	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference