GeoScience Management, Inc. *Environmental Consulting Services*

809 156th Street NE, Arlington, WA 98223 Telephone (360) 654-0677 - Fax (360) 654-0678

February 18, 2007

Denis and Mary Rogers
2809 Lake Avenue
Snohomish, WA 98290-1006

Subject: Additional Subsurface Investigation of Off-site Property
Smokey Point Chevron, 2804 – 172nd Street NE, Marysville, WA

Dear Mr. and Ms. Rogers:

GeoScience Management, Inc.. (GSM) has conducted an additional subsurface assessment at the above-referenced site. The assessment consisted of advancing geoprobe borings at 11 locations and collecting soil and groundwater samples. This letter report presents the results of the assessment activities. The property owners have entered the site into the Voluntary Cleanup Program (VCP) in Ecology's Toxic Cleanup Program. Mr. Dale Meyer is the VCP manager at Ecology for this project. The Site # is 9763. The Facility Identification Number is 28658971.

Site Description and Background

The site is located at 2804 – 172nd Street NE, Marysville, WA, 98271 (Figure 1). GSM conducted a previous environmental investigation in September 2006, which documented gasoline contamination in soil and groundwater on both the service station property, and on the vacant lot located immediately to the south. The previous investigation did not fully define the extent of groundwater impacts on the vacant lot.
The scope of work for the investigation was presented in GSM's Work Plan to the Washington State Department of Ecology (Ecology) "Work Plan for Additional Subsurface Investigation at Smokey Point Chevron," dated January 15, 2007. The purpose of the work was designed to fully define the extent and magnitude of the groundwater contaminant plume on the vacant lot property. The investigation was performed in general accordance with the Model Toxics Control Act (MTCA), Chapter 173-340 Washington Administrative Code (WAC) and related Guidance Documents by Ecology.

Geoprobe Borings and Sample Collection

The soil probes were advanced and sampled on February 1, 2007, by Cascade Drilling, Inc. using a Geoprobe direct-push sampling system under the supervision of a GSM geologist licensed in the State of Washington. Soil samples were collected continuously for lithologic descriptions and to identify the groundwater depth, if present. The soils were field screened for potential hydrocarbon impacts using a photoionization detector (PID). Geoprobes, designated GP-10 to GP-20, were located south, east and west of the most downgradient (southern) exploration locations competed in GSM's September 2006 investigation (Figure 2). Boring logs are included as Attachment A.

After the final depth was reached in each boring, a temporary well was installed in the borehole. The temporary well consisted of a length of 1-inch-diameter, schedule 40 PVC with at least 5 feet of slotted screen. The temporary well was purged, using a peristaltic pump and polyethylene down-hole tubing, until much of the fine-grained material was removed from the water. Clean, new PVC and pump tubing was used for each temporary well. Following purging, a grab groundwater sample was collected from the pump tubing. One grab groundwater samples was collected from each of the 11 direct-push borings. After sample collection, the temporary well screen was removed, and the boring backfilled with hydrated bentonite.

Soils encountered during the assessment generally consisted of wet, black, brown and oxidized brown, slightly gravelly, sandy SILT, with substantial organic matter (topsoil). Below the topsoil, we encountered a damp to moist, slightly silty to silty, medium to fine sand, grading below approximately five feet into a relatively clean fine to medium SAND, gradually coarsening with depth. Groundwater was encountered in all the borings, at a depth of approximately 2.5 feet bgs. No hydrocarbon-like odors, discoloration or sheens were noted in any of the borings or samples.

Laboratory Analytical Results

The soil and groundwater samples were transported under standard chain-of-custody to CCI Analytical Laboratories, Inc., in Everett, Washington for laboratory analysis. Soil samples were selected for analysis based primarily on the samples proximity to groundwater (immediately above the level of groundwater as determined by sample moisture in the field). Eight soil samples were analyzed for TPH as gasoline by Method NWTPH-Gx and for benzene, toluene, ethylbenzene and xylenes (BTEX), by EPA Method 8021b. All 11 groundwater samples were also analyzed for Gas/BTEX. Analytical results are presented in Table 1, and shown on Figure 2. Analytical results for the September 2006 investigation are also presented on Figure 2 for comparison purposes.

The laboratory results indicated that all soil and groundwater samples, with a single exception, did not contain any of the target analytes at or above the analytical method reporting limits. The groundwater sample obtained from Boring GP-15, located in the southwestern portion of the property, contained benzene at 16 ug/L, and xylenes at 6 ug/L. The ug/L units approximate parts per billion concentrations. The Cleanup Level under Method A of the Model Toxics Control Act (MTCA) is 5 ug/L for benzene and 1,000 ug/L for xylenes. The laboratory results and chain-of-custody record are included as Attachment B

Summary and Discussion

Eleven soil borings were advanced in the southern, eastern and western portion s of the vacant lot south of the Smokey Point chevron site to more fully define the extent of gasoline contamination in groundwater. Eight soil samples and 11 groundwater samples were submitted to CCI Analytical Laboratories for analysis for Bas/BTEX. All analyzed soil samples were below method reporting limits for the target analytes. Only one groundwater sample, from bring GP-15, contained target analyte concentrations above the analytical method detection limits. Benzene was reported at a concentration of 16 ug/L in sample GP-15W, which is above the MTCA Method A cleanup level of 5 ug/L. Figure 2 presents an estimation of the extent of groundwater which exceeds MTCA Method A concentrations for one or more gasoline or BTEX compounds, based on the combined results of GSM's September 2006 investigation and this study.

Limitations

The services described in this report were performed consistent with generally accepted professional consulting principles and practices at the time the work was performed. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

GSM appreciates the opportunity to provide you with consulting services. If you have any questions or require additional information, please call me at (360) 654-0677.

Sincerely,
GeoScience Management, Inc.

Howard W. Small, L.HG. C.P.G.
Principal Geologist

Attachments: Table 1 – Summary of Laboratory Analytical Results
Figure 1 – Site Vicinity Map
Figure 2 - Site Plan and Analytical Results
Attachment A - Soil Boring Logs and Field Procedures
Attachment B - Laboratory Report by CCI Analytical Laboratories, Inc.

TABLES

Table 1
Summary of Laboratory Analytical Results

Table 1
Summary of Groundwater Analytical Results
Smokey Point Chevron Station Property,
172nd Street NE, Marysville, Washington

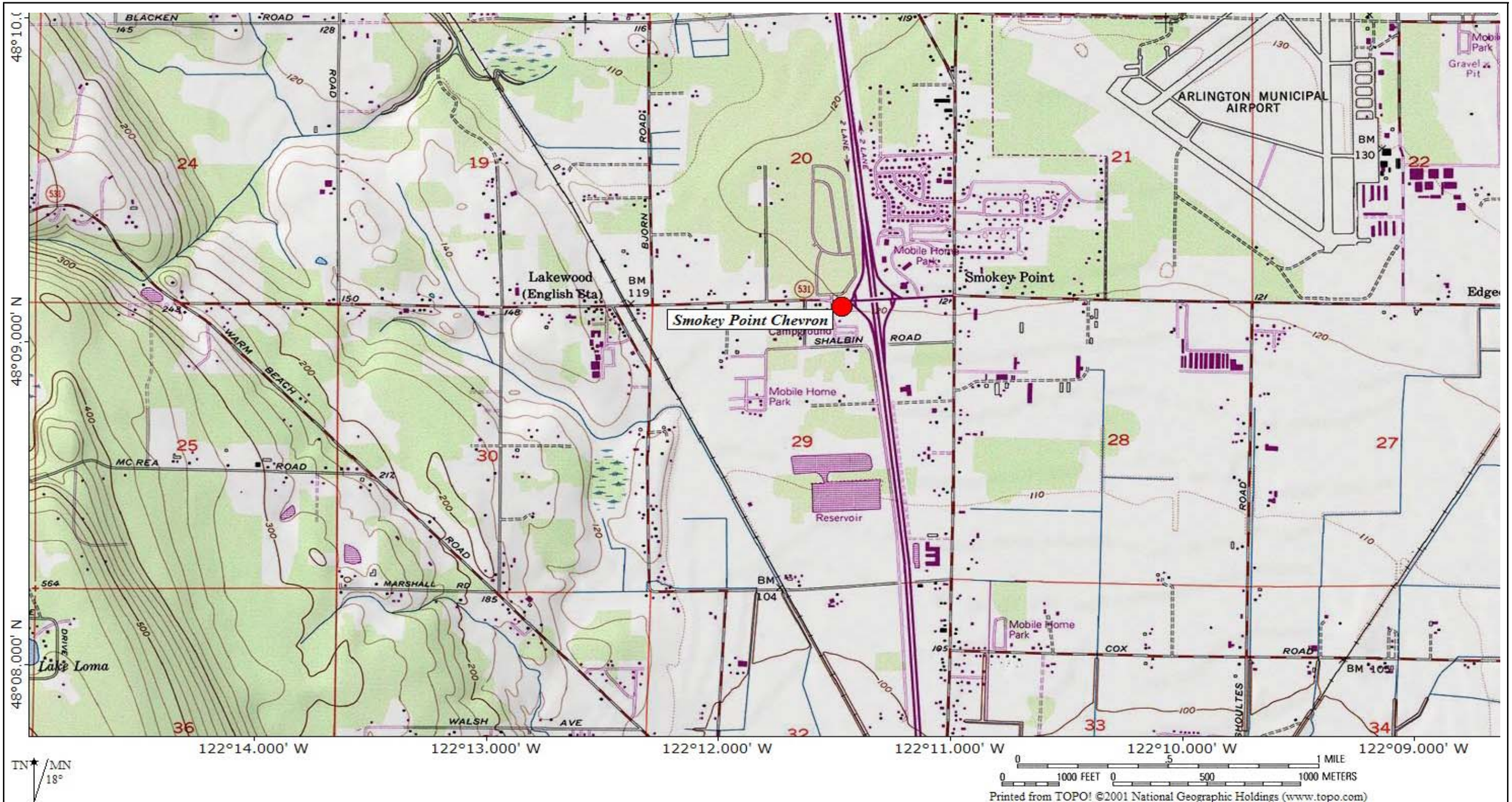
Sample ID	Date	Sample Matrix	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	TPH-G (mg/kg)
Soil Samples								
GP-11@3'	1/31/2007	Soil	3	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-12@2'	1/31/2007	Soil	2	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-13@1.5	1/31/2007	Soil	1.5	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-15@2'	1/31/2007	Soil	2	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-16@2'	1/31/2007	Soil	2	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-17@2'	1/31/2007	Soil	2	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-18@2'	1/31/2007	Soil	2	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
GP-19@2'	1/31/2007	Soil	2	ND (<0.03)	ND (<0.05)	ND (<1.0)	ND (<0.2)	ND (<3)
MTCA Method A Cleanup level - Soil				5	1,000	700	1,000	800
Groundwater Grab Samples				**(ug/L)**	**(ug/L)**	**(ug/L)**	**(ug/L)**	**(ug/L)**
GP-10W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-11W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-12W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-13W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-14W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-15W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-16W	1/31/2007	Water	N/A	**16**	ND (<1)	ND (<1)	6	ND (<50)
GP-17W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-18W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
MW-DUP013107		Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
GP-19W	1/31/2007	Water	N/A	ND (<1)	ND (<1)	ND (<1)	ND (<3)	ND (<50)
MTCA Method A Cleanup Level - Groundwater				5	1,000	700	1,000	800

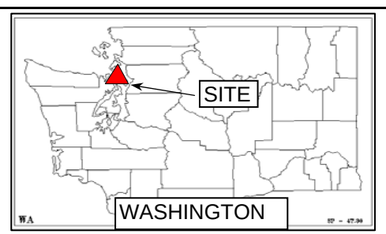
Notes:
--- indicates sample not analyzed for the specified analyte.
BTEX results by using EPA Method 8021B.
TPH-G by using Ecology Method NWTPH-Gx.
ND indicates analyte not detected at the given analytical method reporting limit.
Bold means result exceeds Ecology's MTCA Method A Cleanup Levels (unrestricted land use), amended February 12, 2001.

FIGURES

Figure 1
Vicinity Map

Figure 2
Site Plan and Analytical Results





GeoScience Mangement, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

FIGURE 1
VICINITY MAP
SUBSURFACE ENVIRONMENTAL INVESTIGATION
SMOKEY POINT CHEVRON PROPERTY
2804 172ND STREET NE, MARYSVILLE, WA

YARD LIGHT – BENCHMARK NW BOLT ON TOP OF CONCRETE FOOTING IS 101.91 FEET

172ND STREET NE

SIDEWALK

ALLEY

ELECTRICAL TRANSFORMER

APPROXIMATE PROPERTY BOUNDARY

NEW ROAD

DITCH

APPROXIMATE PROPERTY BOUNDARY

PLANTER

CANOPY

PUMPS

UST

UST

UST

VACANT LOT

HEAVY VEGETATION

JOHN L. SCOTT REALTY

SAMPLE #	GP-18-2	GP-18W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

GP-18

SAMPLE #	GP-19-2	GP-19W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

GP-19

SAMPLE #	GP-20W
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

GP-20

GP-10

SAMPLE #	GP-10W
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

GP-11

SAMPLE #	GP-11-3	GP-11W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

GP-13

SAMPLE #	GP-13-1.5	GP-13W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

GP-12

SAMPLE #	GP-12-2	GP-12W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

SAMPLE #	MW-104
ANALYTE	WATER
BENZENE	61.0
TOLUENE	700
ETHYLBENZENE	120
XYLENES	830
TPH-Gx	5,000

MW-104

SAMPLE #	MW-110
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	3
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

MW-110

SAMPLE #	MW-109
ANALYTE	WATER
BENZENE	47
TOLUENE	470
ETHYLBENZENE	48
XYLENES	370
TPH-Gx	2,500

MW-109

SAMPLE #	MW-101
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

MW-101

SAMPLE #	MW-2
ANALYTE	WATER
BENZENE	490
TOLUENE	2,800
ETHYLBENZENE	190
XYLENES	1,100
TPH-Gx	11,000

MW-2

SAMPLE #	MW-103
ANALYTE	WATER
BENZENE	450
TOLUENE	2,100
ETHYLBENZENE	330
XYLENES	2,200
TPH-Gx	13,000

MW-103

SAMPLE #	MW-108
ANALYTE	WATER
BENZENE	52
TOLUENE	190
ETHYLBENZENE	21
XYLENES	160
TPH-Gx	1,200

MW-108

SAMPLE #	MW-107
ANALYTE	WATER
BENZENE	170
TOLUENE	930
ETHYLBENZENE	240
XYLENES	1,200
TPH-Gx	8,300

MW-107

SAMPLE #	MW-102
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

MW-102

MW-106

SAMPLE #	MW-105
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

MW-105

SAMPLE #	MW-106
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	52
XYLENES	6
TPH-Gx	360

SAMPLE #	MW-111
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

MW-111

SAMPLE #	GP-4-2.5	GP-4-5	GP-4W
ANALYTE	SOIL	SOIL	WATER
BENZENE	ND(<0.03)	0.12	410
TOLUENE	ND(<0.05)	ND(<0.05)	280
ETHYLBENZENE	ND(<0.05)	0.08	370
XYLENES	ND(<0.2)	ND(<0.2)	1,400
TPH-Gx	ND(<3)	ND(<3)	7,100

GP-4

SAMPLE #	GP-8-5.5	GP-8W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	290
TOLUENE	ND(<0.05)	15
ETHYLBENZENE	ND(<0.05)	190
XYLENES	ND(<0.2)	260
TPH-Gx	ND(<3)	2,200

GP-8

SAMPLE #	GP-3-3	GP-3-5.5	GP-3W
ANALYTE	SOIL	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.03)	830
TOLUENE	ND(<0.05)	ND(<0.05)	2,600
ETHYLBENZENE	ND(<0.05)	ND(<0.05)	780
XYLENES	ND(<0.2)	ND(<0.2)	4,300
TPH-Gx	ND(<3)	ND(<3)	28,000

GP-3

SAMPLE #	GP-7-2.5	GP-7-4.5	GP-7W
ANALYTE	SOIL	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.03)	670
TOLUENE	ND(<0.05)	ND(<0.05)	3,900
ETHYLBENZENE	ND(<0.05)	ND(<0.05)	560
XYLENES	ND(<0.2)	ND(<0.2)	3,400
TPH-Gx	ND(<3)	ND(<3)	23,000

GP-7

SAMPLE #	GP-2-5	GP-2W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	41
TOLUENE	ND(<0.05)	12
ETHYLBENZENE	ND(<0.05)	22
XYLENES	ND(<0.2)	27
TPH-Gx	ND(<3)	310

GP-2

GP-6

GP-9

SAMPLE #	GP-9-5.5	GP-9W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	320
TOLUENE	ND(<0.05)	15
ETHYLBENZENE	ND(<0.05)	190
XYLENES	ND(<0.2)	260
TPH-Gx	ND(<3)	2,200

SAMPLE #	GP-6-2.5	GP-6-5	GP-6W
ANALYTE	SOIL	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.03)	76
TOLUENE	ND(<0.05)	ND(<0.05)	3
ETHYLBENZENE	ND(<0.05)	ND(<0.05)	37
XYLENES	ND(<0.2)	ND(<0.2)	38
TPH-Gx	ND(<3)	ND(<3)	440

GP-1

GP-5

SAMPLE #	GP-1-5	GP-1W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	630
TOLUENE	ND(<0.05)	6,700
ETHYLBENZENE	ND(<0.05)	1,300
XYLENES	ND(<0.2)	4,800
TPH-Gx	ND(<3)	36,000

SAMPLE #	GP-5-5.5	GP-5W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	33
TOLUENE	ND(<0.05)	1
ETHYLBENZENE	ND(<0.05)	1
XYLENES	ND(<0.2)	ND(<3)
TPH-Gx	ND(<3)	63

GP-17

SAMPLE #	GP-17-2	GP-17W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

GP-16

SAMPLE #	GP-16-2	GP-16W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	ND(<0.1)
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	ND(<3.0)
TPH-Gx	ND(<3)	ND<50)

GP-15

SAMPLE #	GP-15-2	GP-15W
ANALYTE	SOIL	WATER
BENZENE	ND(<0.03)	16
TOLUENE	ND(<0.05)	ND(<1.0)
ETHYLBENZENE	ND(<0.05)	ND(<1.0)
XYLENES	ND(<0.2)	6
TPH-Gx	ND(<3)	ND<50)

GP-14

SAMPLE #	GP-14W
ANALYTE	WATER
BENZENE	ND(<0.1)
TOLUENE	ND(<1.0)
ETHYLBENZENE	ND(<1.0)
XYLENES	ND(<3.0)
TPH-Gx	ND<50)

APPROXIMATE EXTENT OF SOIL AND GROUNDWATER WHICH EXCEEDS MTCA METHOD A CLEANUP LEVELS

EXPLANATION

GP-10 X NEW GEOPROBE BORING LOCATION AND DESIGNATION

MW-101 MONITORING WELL LOCATION BY GSM, SEPTEMBER 2006

MW-2 APPROXIMATE LOCATION OF EXISTING MONITORING WELL BY AEG, 2003

GP-1 GEOPROBE BORING BY GSM, SEPTEMBER 2006

LABORATORY ANALYTICAL RESULTS FOR SOIL AND GROUDWATER
BLUE DENOTES RESULTS FROM BORINGS FOR THIS INVESTIGATION
BLACK DENOTES RESULTS FROM GSM'S SEPTEMBER 2006 INVESTIGATION

SAMPLE #	BORING DESIGNATION AND DEPTH	WELL DESIGNATION AND DEPTH
ANALYTE	SOIL SAMPLE RESULTS	WATER SAMPLE RESULTS
BENZENE	(mg/kg)	(ug/kg)
TOLUENE	(mg/kg)	(ug/kg)
ETHYLBENZENE	(mg/kg)	(ug/kg)
XYLENES	(mg/kg)	(ug/kg)
TPH-Gx	(mg/kg)	(ug/kg)

RED DENOTES SAMPLE AND VALUE EXCEEDS MTCA METHOD A CLEANUP LEVEL

BASE MAP WAS PREPARED FROM EMR REPORT, 1997, AEG REPORT, 2003, AND HAND MEASUREMENTS.

REVISION 01/13/07

0 10 30 60

APPROXIMATE SCALE (FEET)

N

GEOSCIENCE MANAGEMENT, INC.
ENVIRONMENTAL CONSULTING SERVICES
809 156TH STREET NE
ARLINGTON, WA 98223

DESIGN HWS
DRAWN HWS
DATE FEBRUARY 2007
JOB No. SMOKEY POINT CHEVRON

SUMMARY OF SOIL AND GROUNDWATER DATA FOR SEPTEMBER 2006 AND JANUARY 2007

SMOKEY POINT CHEVRON PROPERTY
2804 172ND STREET NE, MARYSVILLE, WA

FIGURE 2

ATTACHMENT A

Field Methods and Boring Logs

STANDARD FIELD OPERATING PROCEDURES

A-1 SITE SAFETY AND OPERATIONS PLAN (SSOP)

As part of the field investigation, GSM employees and contractors followed the Site-specific Safety and Operations Plan (SSOP) prepared in accordance with Chapter 296-62 of the Washington Administrative Code (WAC) and 20 Code of Federal Regulations (CFR) 1910.120. The SSOP identified potential physical and chemical hazards associated with the investigation, and specified personal protection and safety monitoring requirements. A copy of the SSOP was provided to the driller for review and discussion prior to field activities. On-site personnel associated with the field activities were required to be familiar with and comply with provisions as stated in the SSOP. Site safety meetings were conducted at the beginning of each work day to review aspects of the SSOP, and provide an opportunity for workers to discuss health and safety issues, as appropriate.

A-2 UTILITY LOCATE

Prior to beginning drilling or excavation activities, GSM notified One-Call Underground Utilities Alert Service of our intent to conduct the work. One-Call notified appropriate agencies or companies with underground utilities in the area. These agencies, companies, or their authorized representatives then marked the locations of their utilities along right-of-ways and easements adjacent to the property. In addition, GSM retained APS Locating, Inc., a private locating service to sweep the site for buried utilities prior to drilling.

A-3 SOIL BORINGS AND GROUNDWATER SAMPLING

On February 1, 2007, Cascade Drilling, Inc., under contract to GSM, advanced 11 geoprobe exploration borings at the locations shown on Figure 2. Probes were advanced to approximately 8 feet below ground surface (bgs) using 1-1/2-inch diameter rods and a 4-foot long solid-barrel sampler with an acrylic tube liner. Soil samples were collected at each of the probe boring locations to characterize the subsurface lithology, and obtain soil samples for chemical analysis. The sampling tools were advanced using a 140-lb. hydraulic hammer and the weight of the probe truck. The rods were then removed from the hole and the sampler detached and opened to allow collection of the soil sample. Samples were placed immediately in laboratory-prepared glass jars and placed in a chilled cooler and transported to CCI Analytical, Inc., under chain of custody protocols, for chemical analyses. Soil sample intervals and descriptive information were recorded on the exploration logs included in this Appendix.

After the final depth was reached in each boring, a temporary well was installed in the borehole. The temporary well consisted of a length of 1-inch-diameter, schedule 40 PVC with at least 5 feet of slotted screen. The temporary well was purged, using a peristaltic pump and polyethylene down-hole tubing, until much of the fine-grained material was removed from the water. Clean, new PVC and pump tubing was used for each temporary well. Following purging, a grab groundwater sample was collected from the pump tubing. One grab groundwater samples was collected from each of the 11 direct-push borings. After sample collection, the temporary well screen was removed, and the boring backfilled with hydrated bentonite.

A-4 FIELD SCREENING FOR ORGANIC VAPORS

Field tests consisted of portable photoionization detector (PID) measurements for the presence of volatile organic vapors in each recovered soil sample. An Environmental Instruments Model 580B OVM, calibrated to 100 ppm isobutylene was used to obtain these measurements. Typically, a small hole is made into a sealable plastic bag in which the soil has been placed and allowed to stand for approximately 15 minutes. The maximum reading on the PID indicates the relative concentration of volatile hydrocarbons in that soil sample. This screening equipment was also used for health and safety air quality monitoring in the breathing zone during drilling operations. The purpose of the field tests was to determine the relative magnitude of volatile organic vapors, if any, in the soil samples, to qualitatively compare samples, and to assist in sample selection for chemical analysis. Field screening with a PID is a subjective analysis affected by, among other influences, weather (e.g., temperature and humidity), soil type and conditions, instrument calibration, and operation.

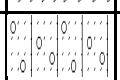
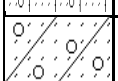
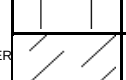
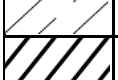
A-5 SAMPLE JARS, SAMPLE HANDLING, AND CHAIN-OF-CUSTODY

Discrete soil samples were submitted in laboratory-prepared glass containers. Sample jars were obtained specifically for use on this project, and consisted of glass jars with Teflon lid inserts or septum caps. Samples were collected, labeled, and placed immediately into a chilled cooler for transport to the analytical laboratory. Chain-of-custody records were maintained recording sample number, project and location, sample depth, client, type of preservative (if any), and handling procedures. Completed chain-of-custody records are attached to the laboratory reports included in Appendix B.

A-6 EQUIPMENT DECONTAMINATION

All sampling equipment (split barrel samplers, sampling spoons and implements) were thoroughly cleaned between each use using a laboratory-grade soap, tap water and a stiff-bristle brush, and rinsed thoroughly with distilled water. Probe sampling equipment was cleaned between each use with laboratory-grade soap, a stiff-bristle brush, and a tap water rinse.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			USCS SYMBOLS GRAPH	USCS SYMBOLS LETTERS	TYPICAL DESCRTIPTIONS
COARSE-GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, AND GRAVEL-SAND MIXTURES, WITH LITTLE OR NO FINES CONTENT.
				GP	POORLY-GRADED GRAVELS, AND GRAVEL-SAND MIXTURES, WITH LITTLE OR NO FINES CONTENT.
	MORE THAN 50% OR COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, AND GRAVEL-SAND-SILT MIXTURES.
				GC	CLAYEY GRAVELS, AND GRAVEL-SAND-CLAY MIXTURES.
	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, AND GRAVELLY SANDS, WITH LITTLE OR NO FINES CONTENT.
				SP	POORLY-GRADED SANDS, AND GRAVEL-SAND MIXTURES, WITH LITTLE OR NO FINES CONTENT.
MORE THAN 50% OF MATERIAL IS LARGER THAN NO.200 SIEVE	MORE THAN 50% OR COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, AND SILTY SAND -SILT MIXTURES.
				SC	CLAYEY SANDS, AND SAND-CLAY MIXTURES.
FINE-GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, AND LEAN CLAYS.
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY.
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO.200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS.
				CH	INORGANIC CLAYS OF HIGH PLASTICITY.
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY AND ORGAN SILTS.
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH NATURAL ORGANIC MATTER CONTENTS.

NOTE: DUAL SYMBOLS (GP/GM) ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS.

MOISTURE CONTENT

DRY - ABSENCE OF MOISTURE, DUSTY, DRY TO THE TOUCH

DAMP - PERCEPTIBLE MOISTURE, BUT BELOW OPTIMUM MOISTURE CONTENT FOR COMPACTION. NO FREE WATER.

MOIST - PERCEPTIBLE MOISTURE, AT ABOUT OPTIMUM MOISTURE CONTENT FOR COMPACTION. NO FREE WATER.

WET - VISIBLE FREE WATER IN SAMPLE. PROBABLY ABOVE OPTIMUM MOISTURE CONTENT FOR COMPACTION.

ESTIMATED SOIL PERCENTAGES

TRACE - O TO 5 %	
SLIGHTLY - 5 TO 12 %	
NO MODIFIER - (SILTY, SANDY)	12 TO 30 %
VERY - 30 TO 50 %	

RELATIVE SOIL DENSITY AND CONSISTENCY

COARSE-GRAINED SOILS (PARETHESIS INDICATE ESTIMATED VALUE)

DENSITY	SPT BLOWS PER FOOT
VERY LOOSE	0 TO 4
LOOSE	4 TO 10
MEDIUM DENSE	10 TO 30
DENSE	30 TO 50
VERY DENSE	GREATER THAN 50

FINE-GRAINED SOILS (PARENTHESIS INDICATE ESTIMATED VALUE)

CONSISTENCY	SPT BLOWS PER FOOT
VERY SOFT	0 TO 2
SOFT	2 TO 4
MEDIUM STIFF	4 TO 8
STIFF	8 TO 15
VERY STIFF	15 TO 30
HARD	GREATER THAN 30

FIELD MEASUREMENTS

- WATER LEVEL OBSERVED DURING DRILLING.
- STATIC WATER LEVEL MEASURED AFTER DRILLING.
- WATER SEEPAGE

LABORATORY TESTS

M=	MOISURE CONTENT (%)
D=	DRY DENSITY (PSF)
Tv=	TORVANE
Pp=	POCKET PENETROMETER
GS=	GRAIN SIZE
G2=	% PASSIING NO. 200 SIEVE
A=	ATTERBERG LIMITS

WELL CONSTRUCTION

- CONCRETE
- SOLID SCHEDULE 40 PVC WELL CASING AND BENTONITE SEAL
- SOLID SCHEDULE 40 PVC WELL CASING AND SAND FILTER PACK
- SLOTTED SCHEDULE 40 PVC WELL SCREEN AND SAND FILTER PACK
- BENTONITE

SOIL SAMPLES

- DIRECT-PUSH SAMPLE, USING ACRYLIC LINERS, NO LABORATORY ANALYSIS PERFORMED.
- SPLIT-SPOON SAMPLE, (3-INCH O.D.) 140 LB. HAMMER (NOT STANDARD SPT), OR DIRECT PUSH SAMPLE USING ACRYLIC LINERS, LABORATORY ANALYSIS PERFORMED.
- GRAB SAMPLE FROM AUGER FLIGHTS OR HAND AUGER.
- NO SAMPLE RECOVERY

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Arlington, WA 98223

FIGURE A-1

BORING LOG AND WELL SYMBOL LEGEND

SMOKEY POINT CHEVRON SUBSURFACE INVESTIGATION

1804 - 172ND STREET NE, ARLINGTON, WA

GeoScience Management, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-10**
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 3 Feet

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-10-3	
					N/A	<1		
			5					
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.			N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

GeoScience Management, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-11**	
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:	
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 3 Feet	

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A N/A	<1 <1	GP-11-3	
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.	5		N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

GeoScience Management, Inc. Environmental Consulting Services 809 156th Street NE Arlington, WA 98223	Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-12**
	Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:
	Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-12-3	
					N/A	<1		
			5					
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.			N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:

Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

GeoScience Management, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-13**	
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:	
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2 Feet	

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1	GP-13-1.5	
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1		
					N/A	<1		
			5					
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.			N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

GeoScience Management, Inc. Environmental Consulting Services 809 156th Street NE Arlington, WA 98223	Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-14**
	Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:
	Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-14-2	
					N/A	<1		
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.	5		N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:

Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:	Page: 1

GeoScience Management, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-15**	
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:	
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet	

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-15-2	
					N/A	<1		
			5					
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.			N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

GeoScience Management, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-16**	
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:	
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet	

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-16-2	
					N/A	<1		
			5					
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.			N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

GeoScience Management, Inc. Environmental Consulting Services 809 156th Street NE Arlington, WA 98223	Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-17**
	Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:
	Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Wet, black, brown and oxidixed brown, slightly gravelly, medium to fine sandy SILT, substantial organic mater, sod, roots, leaves.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-17-2	
					N/A	<1		
			5					
					N/A	<1		
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.						
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:

Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

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GeoScience Management, Inc.
Environmental Consulting Services
809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-18**	
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:	
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet	

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Damp to moist, black, dark brown and gray, slightly gravelly, silty medium to fine SAND.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-18-2	
					N/A	<1		
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.	5		N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

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GeoScience Management, Inc. Environmental Consulting Services 809 156th Street NE Arlington, WA 98223	Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-19**
	Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:
	Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Damp to moist, black, dark brown and gray, slightly gravelly, silty medium to fine SAND.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-19-2	
					N/A	<1		
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.	5		N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:

Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:	Page: 1

GeoScience Management, Inc.
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809 156th Street NE
Arlington, WA 98223

Geologist: HW Small	Date Began: 1/31/2007	Boring No.: **GP-20**	
Driller: Cascade Drilling	Date End: 1/31/2007	Casing Elevation:	
Drill Rig: Geoprobe	Total Depth: 8 Feet	Depth to Water: 2.5 Feet	

Graphic Log	Classification	Soil Description	Depth	Sampled Interval	Blow Counts	Sample Number	PID	Completion
	ML	Damp to moist, black, dark brown and gray, slightly gravelly, silty medium to fine SAND.			N/A	<1		
	SP	Moist to wet, gray-brown, slightly silty to silty, medium to fine SAND			N/A	<1	GP-20-2	
					N/A	<1		
			5					
	SP	Wet, gray-brown, medium to fine SAND, grading to fine to medium SAND.			N/A	<1		
			10					
			15					

Completion Notes:

Grouted boring from bottom to ground surface with hydratd bentonite chips.

SITE:
Smokey Point Chevron
2807 - 172nd Street NE
Marysville, WA

Project No.:

Page: 1

ATTACHMENT B

Laboratory Reports

CCI
ANALYTICAL
LABORATORIES

CERTIFICATE OF ANALYSIS

CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 9:10 GP-11@3'
CCIL SAMPLE #: -01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES

CERTIFICATE OF ANALYSIS

CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 9:30 GP-12@2'
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES

CERTIFICATE OF ANALYSIS

CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 10:00 GP-13@1.5'
CCIL SAMPLE #: -03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES

CERTIFICATE OF ANALYSIS

CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 10:50 GP-15@2'
CCIL SAMPLE #: -04

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

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LABORATORIES

CERTIFICATE OF ANALYSIS

CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 11:05 GP-16@2'
CCIL SAMPLE #: -05

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 13:30 GP-17@5'
CCIL SAMPLE #: -06

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

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CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 14:10 GP-18@2.5
CCIL SAMPLE #: -07

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 14:40 GP-19@2.5
CCIL SAMPLE #: -08

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	2/6/2007	GAP
Benzene	EPA-8021	ND(<0.03)	MG/KG	2/6/2007	GAP
Toluene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	2/6/2007	GAP
Xylenes	EPA-8021	ND(<0.2)	MG/KG	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 GP-DUP013107
CCIL SAMPLE #: -09

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 15:10 GP-20W
CCIL SAMPLE #: -10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 9:00 GP-10W
CCIL SAMPLE #: -11

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 9:25 GP-11W
CCIL SAMPLE #: -12

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 9:40 GP-12W
CCIL SAMPLE #: -13

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 GP-13W
CCIL SAMPLE #: -14

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 GP-14W
CCIL SAMPLE #: -15

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 11:05 GP-15W
CCIL SAMPLE #: -16

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	16	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	6	UG/L	2/6/2007	GAP

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809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 11:35 GP-16W
CCIL SAMPLE #: -17

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 GP-17W
CCIL SAMPLE #: -18

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 14:25 GP-18W
CCIL SAMPLE #: -19

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON
CLIENT SAMPLE ID: 1/31/2007 14:50 GP-19W
CCIL SAMPLE #: -20

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<50)	UG/L	2/6/2007	GAP
Benzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Toluene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Ethylbenzene	EPA-8021	ND(<1)	UG/L	2/6/2007	GAP
Xylenes	EPA-8021	ND(<3)	UG/L	2/6/2007	GAP

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DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0702026-01	NWTPH-GX	TFT	68
0702026-01	EPA-8021	TFT	72
0702026-02	NWTPH-GX	TFT	63
0702026-02	EPA-8021	TFT	67
0702026-03	NWTPH-GX	TFT	59
0702026-03	EPA-8021	TFT	64
0702026-04	NWTPH-GX	TFT	66
0702026-04	EPA-8021	TFT	68
0702026-05	NWTPH-GX	TFT	69
0702026-05	EPA-8021	TFT	71
0702026-06	NWTPH-GX	TFT	69
0702026-06	EPA-8021	TFT	72
0702026-07	NWTPH-GX	TFT	76
0702026-07	EPA-8021	TFT	73
0702026-08	NWTPH-GX	TFT	67
0702026-08	EPA-8021	TFT	67
0702026-09	NWTPH-GX	TFT	96
0702026-09	EPA-8021	TFT	101
0702026-10	NWTPH-GX	TFT	92
0702026-10	EPA-8021	TFT	95
0702026-11	NWTPH-GX	TFT	99
0702026-11	EPA-8021	TFT	98
0702026-12	NWTPH-GX	TFT	101
0702026-12	EPA-8021	TFT	100
0702026-13	NWTPH-GX	TFT	95
0702026-13	EPA-8021	TFT	99
0702026-14	NWTPH-GX	TFT	94
0702026-14	EPA-8021	TFT	93
0702026-15	NWTPH-GX	TFT	96
0702026-15	EPA-8021	TFT	98
0702026-16	NWTPH-GX	TFT	101
0702026-16	EPA-8021	TFT	101
0702026-17	NWTPH-GX	TFT	91
0702026-17	EPA-8021	TFT	93
0702026-18	NWTPH-GX	TFT	98
0702026-18	EPA-8021	TFT	95
0702026-19	NWTPH-GX	TFT	92
0702026-19	EPA-8021	TFT	92
0702026-20	NWTPH-GX	TFT	87

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CCI
ANALYTICAL
LABORATORIES

CERTIFICATE OF ANALYSIS

CLIENT: GEOSCIENCE MANAGEMENT, INC
809 156TH STREET NE
ARLINGTON, WA 98223

DATE: 2/7/2007
CCIL JOB #: 0702026
DATE RECEIVED: 2/5/2007
WDOE ACCREDITATION #: C142

CLIENT CONTACT: HOWARD SMALL
CLIENT PROJECT ID: SMOKEY POINT CHEVRON

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0702026-20	EPA-8021	TFT	87

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059