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HOLMESVILLE COMPRESSOR STATION BUNDLED SITES CHARACTERIZATION REPORT/ RESPONSE ACTION WORK PLAN HOLMES COUNTY, OHIO

23 OCTOBER 2000

Prepared for
COLUMBIA GAS TRANSMISSION

By:
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2.0 ENVIRONMENTAL SETTING

2.1 Physical Setting

The entire site consists of approximately ten (10) acres with the primary operating portion of the facility on less than one (1) acre that is contained within the security fence (Figure 1-2). The Holmesville Compressor Station is located in the southeastern quadrant of the Holmesville, Ohio 7.5 minute United States Geological Survey (USGS) Quadrangle (Figure 1-1). The Holmesville Compressor Station is found within an area of low to moderate topographical relief. The site is located on the Salt Creek flood plain at an elevation of approximately eight-hundred and fifty (850) feet above mean sea level (msl). The elevation of the surrounding ridges within a one (1) to two (2) miles radius of the site are over one-thousand one-hundred (1,100) feet above msl and is over two-hundred and fifty (250) feet above the site elevation. The surface topography is nearly level covered by grasses and herbaceous vegetation around the site borders and by gravel pavement in operational areas. Immediately upgradient of the site is an elevated, former railroad track bed now used as a trail. Given location and topography, some run-off from the former rail bed is directed over the site. Access to the site is by a driveway off County Road 192.

2.2 Climate

The site is located in Holmes County, Ohio, which is characterized with a moderate climate with hot summers and cold winters. The average daily temperature is 29 degrees Fahrenheit in winter and 70 degrees Fahrenheit in summer The Holmes County area receives an average annual precipitation of thirty seven (37) inches and an average snowfall of twenty-eight (28) inches. Prevailing winds are from the south. The greatest levels of precipitation occur from April through September, the lowest levels occur in December and January (U. S. Department of Agriculture, Soil Survey of Holmes County, 1988).

2.3 Surface Water Hydrology

The site is located within the Salt Creek drainage basin, which discharges into the Killbuck Creek. The surrounding regional surface topography is incised by a well defined surface-water drainage network. The site is located on the well defined, flat and laterally extensive flood plain of Salt creek, which is the perennial stream that receives drainage from the region. Salt Creek is located approximately three-hundred (300) feet north of the site. Moderate sloping hills are present along the sides of Salt Creek and include various valleys with tributaries within a one (1) mile radius of the site. Salt Creek flows to the west within the site area and turns south to Killbuck Creek, which flows into Walhounding River approximately twenty (20) miles south of the site.

The site land surface is flat, and not serviced by a surface water drainage system. Based on the Holmes County Soil Survey, soils within the site area are well drained. Surface water flow is through sheet flow runoff and infiltration.

2.4 Geology and Soils

The site is situated within the Glaciated Plateau section of the Appalachian Plateau Physiographic Province. Bedrock underlying the site area is comprised of the Logan Formation of Mississippian age, which includes shales, sandstone, and silt stone. The Pottsville Formation of the Pennsylvania age forms the cap rock on the surrounding hills, which consists primarily of resistant sandstone. Formation thickness in the site area is probably in excess of several hundred feet (U.S. Department of Agriculture, Soil Survey of Holmes County, 1988). Based on visual observations made during past and current characterization activities, the surface soils at the site consist of an alluvium of silty clay with sand and gravel. The Salt Creek Stream Valley contains glacial deposits made up of till and outwash that is reportedly up to two-hundred (200) feet thick within the valley bottom. On the surrounding upper valley sides, the glacial drift deposit thickness' range from less than ten (10) feet to about twenty (20) feet. The site area contains kames and kame terraces containing gravel and sand from the Pleistocene (Wisconsinian) age. Review of the United States Department of Agricultural (USDA) Soil Survey (1988) found that the site is underlain by the Tg-Tioga Soil Series. These soils are deep and well-drained on the highest flood plain and form in alluvium. Slopes range from zero to 2 percent.

2.5 Hydrogeology and Groundwater Quality

Throughout the site area, useable quantities of groundwater are generally obtained from wells installed in glacial valley deposits and bedrock formations. In other areas, seeps may be a source of potable water supply. The Holmesville Compressor Station is serviced by public water and sewer.

The principal source of groundwater is recharge from precipitation. The direction of regional groundwater flow is controlled, to a large extent, by bedrock fracture orientation and high permeability glacial valley deposits. Regional topography influences the development and flow direction of local shallow aquifers where the groundwater surface typically mimics the ground surface topography. The unsaturated zone is generally more extensive at higher elevations and less extensive at lower elevations near surface water bodies.

Based on site topography and the presence of Salt Creek, the water table is expected to occur at an elevation of approximately eight-hundred and forty (840) feet above msl, which is less than fifteen (15) feet bgs. The direction of the groundwater flow is assumed to be north/northwest toward Salt Creek; however, this is not based on the collection of field data.

3.0 CHARACTERIZATION FIELD WORK

3.1 Investigation and Sampling Procedures and Methods

This section provides an overview of the field and laboratory assessment activities that were used during the execution of this site characterization. The characterization activities were conducted by SE Technologies Inc following the requirements of the U.S. EPA approved General SAP dated 31 March, 1999 on 16 through 23 August 1999. Representatives from the U.S. EPA's oversight contractor, the United States Army Corps of Engineers, were not present during the fieldwork.

The SAP was prepared based on a review of the results of previous site characterization and response activity reports, the preparation of an FRW, and a review of the requirements of the CWP dated April 1999. At the time that the characterization was completed, the following variances were made and have been documented in Table 3-1.

- At PRA #1 – 1000-Gallon Station Pipeline Liquid UT, visual staining was observed at soil borings SB001 and SB002, therefore samples SB001-40001 (0-2 feet below ground surface [bgs]), SB001-70002 (11-12 feet bgs), SB002-70002 (11-12 feet bgs) were added for vertical delineation.

  Boring SB030 was added for lateral delineation of boring SB001 and SB002 due to visual staining.

  Water was encountered in soil boring SB001; therefore, water sample ML001 and its duplicate were collected. Sample ML001-60002 and its duplicate, ML001-61002 were field filtered and analyzed only for PCBs.

- At PRA #2 – 1000-Gallon Field Production Pipeline Liquid UT, soil sample SB004-70002 (11 – 12 feet bgs) was added for vertical delineation in response to visible staining. Boring SB031 was added for lateral delineation of soil boring SB003 in response to visible staining.

- At PRA #4 – Vent Stack/Flame Arrestor Unit, soil borings SS005-70001 (2-3 feet bgs) and SS005-70002 (3-4 feet bgs) were added for vertical delineation of surface soil sample ASS005 due to visual staining.

- At PRA #13 – Compressor #2, visual staining was observed at soil boring SB015; therefore, additional soil borings SB032 and SB033 were added for lateral delineation.

  Water was encountered in soil boring SB015; therefore, water sample ML003 was collected. Water sample HOV-AML003-60002 and its duplicate, HOV-AML003-61002 were field filtered and analyzed for PCBs.

- At PRA #17 – Reboilers, water was encountered in soil boring SB018; therefore, water sample ML002 was collected.

  Soil boring SB018 inadvertently was not analyzed for Arsenic; therefore, the soil samples were relogged and relabeled with a "B" prefix and analyzed for Arsenic. The samples were also inadvertently analyzed for Glycols.

  Soil boring ASB019 was inadvertently analyzed for Glycol.

- Background – Soil Boring SB034 was added as an additional background sample due to odor noted at background soil boring SB020. The background sample collected from SB034 also was analyzed for Table 1 Metals and Mercury.

As specified in Section 4.2.2 of the CWP, modifications to the analyte list were made to include the addition of Polycyclic Aromatic Hydrocarbons (PAHs) at PRAs associated with pipeline liquids where surface staining or free phase liquids were observed during field activities. PAH analyses were added to a total of thirty (30) samples.

This characterization focused on the collection of surface and shallow subsurface (less than five (5) feet bgs) soil samples. Subsurface soil sample (less than twelve (12) feet bgs) were collected as needed. Because water was encountered in the soil boring, ground water samples were collected. As stated in the CWP and SAP, additional groundwater delineation characterization will be conducted, if site-related constituents are detected above the CAL and/or background at the groundwater interface or if the sites water supply has been affected. In all, nineteen (19) PRAs were evaluated.

Appendix A of the CWP provides a detailed presentation of SOPs for the conduct of field activities. To facilitate review of the characterization results, the following subsections briefly describe the methodologies used to collect samples and/or other components of the field characterization effort. Also discussed are SOP modifications necessary to complete the required field effort. All investigation derived waste (IDW) was managed and disposed of in accordance with SOP No. 20 of the CWP.

3.1.1 Soils

Surface and subsurface soil sampling (less than 12 feet bgs) at this site was performed using stainless steel hand trowels, sample spoons and hand augers. Samples were also collected using a direct push (Geoprobe®) method. Surface soil samples for PCBs and Inorganics were obtained from the zero to 0.5 foot bgs interval. Surface soil samples for Volatile And Semi-Volatile Organic Compounds (VOCs and SVOCs) and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) were obtained from a depth interval of one-half (0.5) to one (1) foot bgs. Where surface gravel was present, soil samples were collected from native soil after removing the gravel. The

4.3 Analytical Results for Investigative Samples

A summary of the analytical methods for each PRA is shown in Table 4-2. Analytical results for the sampling completed are summarized in Table 4-3. A summary of QA/QC samples is presented in Table 3-4.

Figure 4-2 presents analytical result that exceed the CALs and/or background on the site based map to facilitate review. The results are discussed by media by PRA in the following subsections. The results are also provided on a compact disk. Columbia maintains a hard copy of all analytical data should additional review be needed.

4.3.1 Background Sample Results

A total of seventeen (17) background soil samples and one (1) duplicate sample were collected for this characterization as presented below:

Sample Number	Depth (ft)	Analysis
HOV-ASB020-70001	11-12	Table 1 Constituents (Table 1 from the CWP)
HOV-ASB020-71001		
HOV-ASB021-40001	0-1	
HOV-ASB021-70001	2-3	
HOV-ASB021-70002	3-4	
HOV-ASB022-40001	0-1	
HOV-ASB022-70001	2-3	
HOV-ASB022-70002	3-4	
HOV-ASB022-70003	5-6	
HOV-ASB022-70004	6-7	
HOV-ASB023-40001	0-1	Table 1 Metals (except Mercury)
HOV-ASB024-40001		
HOV-ASB025-40001		
HOV-ASB026-40001		
HOV-ASB027-40001		
HOV-ASB028-40001		
HOV-ASB029-40001		
HOV-ASB034-40001		

Benzene and Xylenes were detected in sample HOV-ASB022-40001 and Acetone was detected in samples HOV-ASB022-70001 and HOV-ASB022-70002 at concentrations well below the CALs, and these samples are not considered to represent background.

All constituents were below CALs except for Arsenic (CAL = 0.43 mg/kg), which ranged in concentrations from 10.1 milligrams per kilogram (mg/kg) to 82.1 mg/kg (average of sample HOV-ASB020-70001 and its duplicate).

As provided for in the CWP, the highest concentration of a constituent detected or a concentration equal to two (2) times the arithmetic mean of levels detected in background samples as presented in Appendix H are used to establish background concentrations. The site background concentrations for detected constituents are presented below:

Analyte	Background Level (mg/kg)
Arsenic	82.1
Cadmium	2.04
Chromium	22.4
Barium	647
Nickel	34.64
Lead	37.57
Benzene	0.006
Xylene	0.009
Acetone	0.15

No PCBs or PAHs were detected in the background samples.

4.3.2 Soil Sample Results

PRA #1 – 1,000-Gallon Station Pipeline Liquid UT

Two (2) surface soil samples (0.0 – 1.0 foot bgs) and eight (8) subsurface soil samples, (one [1] 0.0 – 2.0 feet bgs, one [1] 2.0 – 3.0 feet bgs, one [1] 3.0 – 4.0 feet bgs, three [3] 6.0 – 7.0 feet bgs, and two [2] 11.0 – 12.0) feet bgs were collected and submitted for BTEX and PCB analyses. In addition, two (2) surface and five (5) subsurface soil samples also were analyzed for PAHs in response to observed staining. PAH and PCB concentrations were not detected. BTEX concentrations were non-detect or detected below the CALs.

PRA #8 – Discharge Line Filter

One (1) surface soil sample , (0.0 – 1.0 foot bgs), two (2) subsurface soil sample (2.0 – 3.0 feet bgs and 3.0 – 4.0 feet bgs) and one (1) duplicate sample were collected and submitted for BTEX, PCB, and PAH analyses. BTEX, PCB, and PAH concentrations were non-detect.

PRA #9 – Contactor Towers

Two (2) surface soil samples (0.0 – 1.0 foot bgs) and four (4) subsurface soil samples (two [2] 2.0 – 3.0 feet bgs and two [2] 3.0 – 4.0 feet bgs) were collected and submitted for BTEX, PCB and Arsenic analyses. In addition, one (1) surface soil sample and two (2) subsurface soil samples were also analyzed for PAHs in response to observed staining. BTEX, PCB, and PAH concentrations were not detected. Arsenic concentrations were non-detect or detected below the CAL and/or background.

PRA #10 – Compressor #1

Two (2) surface soil samples (0.0 – 1.0 foot bgs) and four (4) subsurface soil sample (two [2] 2.0 – 3.0 feet bgs and two [2] 3.0 – 4.0 feet bgs) were collected and submitted for BTEX and PCB analyses. PCB concentrations were not detected. BTEX concentrations were non-detect or detected below the CALs.

PRA #11 – Former Drum Storage Area #1

One (1) surface soil sample (0.0 – 1.0 foot bgs) was collected and submitted and analyses of the Table 1 list of constituents. VOC, PAH, and PCB concentrations were not detected. Table 1 Metals concentrations were non-detect or detected below the CALs and/or background.

PRA #12 – Compressor Engine Vents/Blowdowns #1

One (1) surface soil sample (0.0 – 0.5 foot bgs) was collected and submitted for PCB analysis. PCB concentrations were not detected.

PRA #13 – Compressor #2

Four (4) surface soil samples (0.0 – 1.0 foot bgs), ten (10) subsurface soil samples, (five [5] 2.0 – 3.0 feet bgs, three [3] 3.0 – 4.0 feet bgs, one [1] 6.0 – 7.0 feet bgs, and one [1] 11.0 – 12.0 feet bgs) and one (1) duplicate sample were collected and submitted for BTEX and PCB analyses. In addition, one (1) surface soil sample, seven (7) subsurface soil samples, and one (1) duplicate soil sample were also analyzed for PAHs in response to observed staining. PCB and PAH

concentrations were not detected. BTEX concentrations were non-detect or detected below the CALs.

PRA #14 – Former Drum Storage Area #2

One (1) surface soil sample (0.0 – 1.0 foot bgs) and one (1) duplicate sample were collected and submitted for analysis Table 1 list of constituents. VOC, PAH, and PCB concentrations were not detected. Table 1 Metals concentrations were non-detect or detected below the CALs and/or background.

PRA #15 – Compressor Engine Vents/Blowdowns #2

One (1) surface soil samples (0.0 – 0.5 foot bgs) was collected and submitted for PCB analyses. PCB concentrations were not detected.

PRA #16 – Former Compressor #3

Two (2) surface soil samples (0.0 – 1.0 foot bgs) and four (4) subsurface soil sample (two [2] 2.0 – 3.0 feet bgs and two [2] 3.0 – 4.0 feet bgs) were collected and submitted for BTEX and PCB analyses. In addition, one (1) surface soil sample and two (2) subsurface soil samples were also analyzed for PAHs in response to observed staining. PCB and PAH concentrations were not detected. BTEX concentrations were non-detect or detected below the CALs.

PRA #17 – Reboilers

Three (3) surface soil samples (0.0 – 1.0 foot bgs) and six (6) subsurface soil samples (three[3] 2.0 – 3.0 feet bgs and three [3] 3.0 – 4.0 feet bgs) were collected and submitted for Glycol, Arsenic, BTEX, and PCB analyses. Glycol and PCB concentrations were not detected. BTEX and Arsenic concentrations were non-detect or detected below the CALs and/or background.

PRA #18 – Former Compressor Engine Vents/Blowdown #3

One (1) surface soil sample (0.0 – 0.5 foot bgs) was collected and submitted for PCB analyses. PCB concentrations were not detected.

PRA #19 – Former Drum Storage Area #3

One (1) surface soil sample (0.0 – 1.0 foot bgs) was collected and submitted for analyses of the Table 1 list of constituents. VOC, PCB, and PAH concentrations were not detected. Table 1 Metals concentrations were non-detect or detected below the CALs and/or background.

Table 4-3
Summary of Analytical Results

		PRA	0					
		PRA Description	BACKGROUND					
		Sample Type	Field Duplicate (Rep)		Normal Sample			
		Sample Id	HOV-ASB020-71001		HOV-ASB020-70001		HOV-ASB021-40001	
		Depth - ft bgs	11 - 12		11 - 12		0 - 1	
		Collected Date	08/18/99		08/18/99		08/19/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800	ND		ND		ND	
BNA	NAPHTHALENE	1600	ND		ND		ND	
	ACENAPTHYLENE	4700	ND		ND		ND	
	ACENAPHTHENE	4700	ND		ND		ND	
	FLUORENE	3100	ND		ND		ND	
	PHENANTHRENE	23000	ND		ND		ND	
	ANTHRACENE	23000	ND		ND		ND	
	FLUORANTHENE	3100	ND		ND		ND	
	PYRENE	2300	ND		ND		ND	
	BENZO(A)ANTHRACENE	.87	ND		ND		ND	
	CHRYSENE	87	ND		ND		ND	
	BENZO(B)FLUORANTHENE	.87	ND		ND		ND	
	BENZO(K)FLUORANTHENE	8.7	ND		ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	0					
		PRA Description	BACKGROUND					
		Sample Type	Field Duplicate (Rep)		Normal Sample			
		Sample Id	HOV-ASB020-71001		HOV-ASB020-70001		HOV-ASB021-40001	
		Depth - ft bgs	11 - 12		11 - 12		0 - 1	
		Collected Date	08/18/99		08/18/99		08/19/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND		ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND		ND	
	BENZO(GHI)PERYLENE	2300	ND		ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND		ND	
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500	54.6 J		41.6 J		95.2	
	CADMIUM, TOTAL	39	ND		1.6		1.5	
	CHROMIUM, TOTAL	230	12.3		10.3		9.9	
	LEAD, TOTAL	400	ND		63.7 J		ND	
	NICKEL, TOTAL	1600	17.5 J-		32.4 J-		15.9	
	ARSENIC, TOTAL	.43	26.2 J	X	138 J	X	13.6	X

Notes:

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ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB021-70001**		**HOV-ASB021-70002**		**HOV-ASB022-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		0.006	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		0.009	
	ACETONE	7800	ND		ND		ND	
BNA	**NAPHTHALENE**	1600	ND		ND		ND	
	ACENAPTHYLENE	4700	ND		ND		ND	
	ACENAPHTHENE	4700	ND		ND		ND	
	FLUORENE	3100	ND		ND		ND	
	PHENANTHRENE	23000	ND		ND		ND	
	ANTHRACENE	23000	ND		ND		ND	
	FLUORANTHENE	3100	ND		ND		ND	
	PYRENE	2300	ND		ND		ND	
	BENZO(A)ANTHRACENE	.87	ND		ND		ND	
	CHRYSENE	87	ND		ND		ND	
	BENZO(B)FLUORANTHENE	.87	ND		ND		ND	
	BENZO(K)FLUORANTHENE	8.7	ND		ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
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ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB021-70001**		**HOV-ASB021-70002**		**HOV-ASB022-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND		ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND		ND	
	BENZO(GHI)PERYLENE	2300	ND		ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND		ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500	89.2		53.1		87.1	
	CADMIUM, TOTAL	39	1.5		1.5		1.4	
	CHROMIUM, TOTAL	230	12.5		11.0		9.7	
	LEAD, TOTAL	400	ND		ND		ND	
	NICKEL, TOTAL	1600	17.1		15.0		24.0	
	ARSENIC, TOTAL	.43	18.2	X	16.3	X	11.6	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB022-70001**		**HOV-ASB022-70002**		**HOV-ASB022-70003**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**5 - 6**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800	0.15		0.12		ND	
BNA	**NAPHTHALENE**	1600	ND		ND		ND	
	ACENAPTHYLENE	4700	ND		ND		ND	
	ACENAPHTHENE	4700	ND		ND		ND	
	FLUORENE	3100	ND		ND		ND	
	PHENANTHRENE	23000	ND		ND		ND	
	ANTHRACENE	23000	ND		ND		ND	
	FLUORANTHENE	3100	ND		ND		ND	
	PYRENE	2300	ND		ND		ND	
	BENZO(A)ANTHRACENE	.87	ND		ND		ND	
	CHRYSENE	87	ND		ND		ND	
	BENZO(B)FLUORANTHENE	.87	ND		ND		ND	
	BENZO(K)FLUORANTHENE	8.7	ND		ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB022-70001**		**HOV-ASB022-70002**		**HOV-ASB022-70003**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**5 - 6**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND		ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND		ND	
	BENZO(GHI)PERYLENE	2300	ND		ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND		ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500	126		87.7		64.9	
	CADMIUM, TOTAL	39	1.5		1.2		1.9	
	CHROMIUM, TOTAL	230	12.6		10.4		14.1	
	LEAD, TOTAL	400	ND		ND		ND	
	NICKEL, TOTAL	1600	17.8		14.4		18.8	
	ARSENIC, TOTAL	.43	16.0	X	14.0	X	20.4	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB022-70004**		**HOV-ASB023-40001**		**HOV-ASB024-40001**	
		Depth - ft bgs	**6 - 7**		**0 - 1**		**0 - 1**	
		Collected Date	**08/19/99**		**08/16/99**		**08/16/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND					
	TOLUENE	16000	ND					
	ETHYL BENZENE	7800	ND					
	XYLENES (TOTAL)	1000000	ND					
	ACETONE	7800	ND					
BNA	**NAPHTHALENE**	1600	ND					
	ACENAPTHYLENE	4700	ND					
	ACENAPHTHENE	4700	ND					
	FLUORENE	3100	ND					
	PHENANTHRENE	23000	ND					
	ANTHRACENE	23000	ND					
	FLUORANTHENE	3100	ND					
	PYRENE	2300	ND					
	BENZO(A)ANTHRACENE	.87	ND					
	CHRYSENE	87	ND					
	BENZO(B)FLUORANTHENE	.87	ND					
	BENZO(K)FLUORANTHENE	8.7	ND					

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB022-70004**		**HOV-ASB023-40001**		**HOV-ASB024-40001**	
		Depth - ft bgs	**6 - 7**		**0 - 1**		**0 - 1**	
		Collected Date	**08/19/99**		**08/16/99**		**08/16/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND					
	DIBENZO(A,H)ANTHRACENE	.087	ND					
	BENZO(GHI)PERYLENE	2300	ND					
	INDENO(1,2,3-C,D)PYRENE	.87	ND					
P/PCB	**AROCLOR-1016**	1	ND					
	AROCLOR-1221	1	ND					
	AROCLOR-1232	1	ND					
	AROCLOR-1242	1	ND					
	AROCLOR-1248	1	ND					
	AROCLOR-1254	1	ND					
	AROCLOR-1260	1	ND					
METAL	**BARIUM, TOTAL**	5500	44.8		122		81.5	
	CADMIUM, TOTAL	39	1.3		ND		ND	
	CHROMIUM, TOTAL	230	10.5		12.3		10.8	
	LEAD, TOTAL	400	ND		ND		ND	
	NICKEL, TOTAL	1600	13.4		17.5		14.4	
	ARSENIC, TOTAL	.43	13.6	X	16.5	X	14.7	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB025-40001**		**HOV-ASB026-40001**		**HOV-ASB027-40001**	
		Depth - ft bgs	**0 - 1**		**0 - 1**		**0 - 1**	
		Collected Date	**08/16/99**		**08/16/99**		**08/16/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22						
	TOLUENE	16000						
	ETHYL BENZENE	7800						
	XYLENES (TOTAL)	1000000						
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB025-40001**		**HOV-ASB026-40001**		**HOV-ASB027-40001**	
		Depth - ft bgs	**0 - 1**		**0 - 1**		**0 - 1**	
		Collected Date	**08/16/99**		**08/16/99**		**08/16/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1						
	AROCLOR-1221	1						
	AROCLOR-1232	1						
	AROCLOR-1242	1						
	AROCLOR-1248	1						
	AROCLOR-1254	1						
	AROCLOR-1260	1						
METAL	**BARIUM, TOTAL**	5500	86.3		77.2		102	
	CADMIUM, TOTAL	39	ND		ND		ND	
	CHROMIUM, TOTAL	230	11.5		10.3		13.0	
	LEAD, TOTAL	400	ND		ND		ND	
	NICKEL, TOTAL	1600	15.9		13.5		17.7	
	ARSENIC, TOTAL	.43	14.6	X	14.4	X	16.6	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB028-40001**		**HOV-ASB029-40001**		**HOV-ASB034-40001**	
		Depth - ft bgs	**0 - 1**		**0 - 1**		**0 - .5**	
		Collected Date	**08/16/99**		**08/16/99**		**08/23/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22						
	TOLUENE	16000						
	ETHYL BENZENE	7800						
	XYLENES (TOTAL)	1000000						
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB028-40001**		**HOV-ASB029-40001**		**HOV-ASB034-40001**	
		Depth - ft bgs	**0 - 1**		**0 - 1**		**0 - .5**	
		Collected Date	**08/16/99**		**08/16/99**		**08/23/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1						
	AROCLOR-1221	1						
	AROCLOR-1232	1						
	AROCLOR-1242	1						
	AROCLOR-1248	1						
	AROCLOR-1254	1						
	AROCLOR-1260	1						
METAL	**BARIUM, TOTAL**	5500	647		193		79.1	
	CADMIUM, TOTAL	39	ND		ND		1.2	
	CHROMIUM, TOTAL	230	8.0		12.5		9.2	
	LEAD, TOTAL	400	ND		25.7		ND	
	NICKEL, TOTAL	1600	13.0		32.6		12.7	
	ARSENIC, TOTAL	.43	10.1	X	43.2	X	12.6	X

Notes:

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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	1					
		PRA Description	1000-GAL STATION PIPELINE LIQUID UT					
		Sample Type	Normal Sample					
		Sample Id	HOV-ASB001-40001		HOV-ASB001-70001		HOV-ASB001-70002	
		Depth - ft bgs	0 - 2		6 - 7		11 - 12	
		Collected Date	08/17/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	1.7		0.42		0.73	
	TOLUENE	16000	1.4		0.79		1.1	
	ETHYL BENZENE	7800	0.95		0.80		1.2	
	XYLENES (TOTAL)	1000000	3.2		0.45		0.83	
	ACETONE	7800						
BNA	NAPHTHALENE	1600	ND		ND		ND	
	ACENAPTHYLENE	4700	ND		ND		ND	
	ACENAPHTHENE	4700	ND		ND		ND	
	FLUORENE	3100	ND		ND		ND	
	PHENANTHRENE	23000	ND		ND		ND	
	ANTHRACENE	23000	ND		ND		ND	
	FLUORANTHENE	3100	ND		ND		ND	
	PYRENE	2300	ND		ND		ND	
	BENZO(A)ANTHRACENE	.87	ND		ND		ND	
	CHRYSENE	87	ND		ND		ND	
	BENZO(B)FLUORANTHENE	.87	ND		ND		ND	
	BENZO(K)FLUORANTHENE	8.7	ND		ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	1					
		PRA Description	1000-GAL STATION PIPELINE LIQUID UT					
		Sample Type	Normal Sample					
		Sample Id	HOV-ASB001-40001		HOV-ASB001-70001		HOV-ASB001-70002	
		Depth - ft bgs	0 - 2		6 - 7		11 - 12	
		Collected Date	08/17/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND		ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND		ND	
	BENZO(GHI)PERYLENE	2300	ND		ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND		ND	
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB002-70001**		**HOV-ASB002-70002**		**HOV-ASB030-40001**	
		Depth - ft bgs	**6 - 7**		**11 - 12**		**0 - 1**	
		Collected Date	**08/17/99**		**08/17/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	0.60		ND		ND	
	TOLUENE	16000	0.72		ND		ND	
	ETHYL BENZENE	7800	1.4		ND		ND	
	XYLENES (TOTAL)	1000000	3.3		0.011		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600	ND		ND			
	ACENAPTHYLENE	4700	ND		ND			
	ACENAPHTHENE	4700	ND		ND			
	FLUORENE	3100	ND		ND			
	PHENANTHRENE	23000	ND		ND			
	ANTHRACENE	23000	ND		ND			
	FLUORANTHENE	3100	ND		ND			
	PYRENE	2300	ND		ND			
	BENZO(A)ANTHRACENE	.87	ND		ND			
	CHRYSENE	87	ND		ND			
	BENZO(B)FLUORANTHENE	.87	ND		ND			
	BENZO(K)FLUORANTHENE	8.7	ND		ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB002-70001**		**HOV-ASB002-70002**		**HOV-ASB030-40001**	
		Depth - ft bgs	**6 - 7**		**11 - 12**		**0 - 1**	
		Collected Date	**08/17/99**		**08/17/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND		ND			
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND			
	BENZO(GHI)PERYLENE	2300	ND		ND			
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND			
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB030-70001**		**HOV-ASB030-70002**		**HOV-ASB030-70003**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**6 - 7**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		0.010	
	TOLUENE	16000	ND		ND		0.010	
	ETHYL BENZENE	7800	ND		ND		0.019	
	XYLENES (TOTAL)	1000000	ND		ND		0.040	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600					ND	
	ACENAPTHYLENE	4700					ND	
	ACENAPHTHENE	4700					ND	
	FLUORENE	3100					ND	
	PHENANTHRENE	23000					ND	
	ANTHRACENE	23000					ND	
	FLUORANTHENE	3100					ND	
	PYRENE	2300					ND	
	BENZO(A)ANTHRACENE	.87					ND	
	CHRYSENE	87					ND	
	BENZO(B)FLUORANTHENE	.87					ND	
	BENZO(K)FLUORANTHENE	8.7					ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB030-70001**		**HOV-ASB030-70002**		**HOV-ASB030-70003**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**6 - 7**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087					ND	
	DIBENZO(A,H)ANTHRACENE	.087					ND	
	BENZO(GHI)PERYLENE	2300					ND	
	INDENO(1,2,3-C,D)PYRENE	.87					ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

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J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			2			
		PRA Description			**1000-GAL FIELD PRODUCTION PIPELINE LIQUID UT**			
		Sample Type			**Field Duplicate (Rep)**		**Normal Sample**	
		Sample Id	**HOV-ASS001-40001**		**HOV-ASB004-71001**		**HOV-ASB003-70001**	
		Depth - ft bgs	**0 - 1**		**6 - 7**		**6 - 7**	
		Collected Date	**08/16/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	0.022		0.39		ND	
	TOLUENE	16000	0.021		0.36		0.011	
	ETHYL BENZENE	7800	0.014		0.98 J		0.011 J+	
	XYLENES (TOTAL)	1000000	0.046		2.3 J		0.026 J+	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600	ND		ND		ND	
	ACENAPTHYLENE	4700	ND		ND		ND	
	ACENAPHTHENE	4700	ND		ND		ND	
	FLUORENE	3100	ND		ND		ND	
	PHENANTHRENE	23000	ND		ND		ND	
	ANTHRACENE	23000	ND		ND		ND	
	FLUORANTHENE	3100	ND		ND		ND	
	PYRENE	2300	ND		ND		ND	
	BENZO(A)ANTHRACENE	.87	ND		ND		ND	
	CHRYSENE	87	ND		ND		ND	
	BENZO(B)FLUORANTHENE	.87	ND		ND		ND	
	BENZO(K)FLUORANTHENE	8.7	ND		ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			2			
		PRA Description			1000-GAL FIELD PRODUCTION PIPELINE LIQUID UT			
		Sample Type			Field Duplicate (Rep)		Normal Sample	
		Sample Id	HOV-ASS001-40001		HOV-ASB004-71001		HOV-ASB003-70001	
		Depth - ft bgs	0 - 1		6 - 7		6 - 7	
		Collected Date	08/16/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND		ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND		ND	
	BENZO(GHI)PERYLENE	2300	ND		ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND		ND	
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB004-70001**		**HOV-ASB004-70002**		**HOV-ASB031-40001**	
		Depth - ft bgs	**6 - 7**		**11 - 12**		**0 - 1**	
		Collected Date	**08/17/99**		**08/17/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	0.009		ND		ND	
	TOLUENE	16000	0.015		ND		ND	
	ETHYL BENZENE	7800	0.022 J		ND		ND	
	XYLENES (TOTAL)	1000000	0.032 J		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600	ND		ND			
	ACENAPTHYLENE	4700	ND		ND			
	ACENAPHTHENE	4700	ND		ND			
	FLUORENE	3100	ND		ND			
	PHENANTHRENE	23000	ND		ND			
	ANTHRACENE	23000	ND		ND			
	FLUORANTHENE	3100	ND		ND			
	PYRENE	2300	ND		ND			
	BENZO(A)ANTHRACENE	.87	ND		ND			
	CHRYSENE	87	ND		ND			
	BENZO(B)FLUORANTHENE	.87	ND		ND			
	BENZO(K)FLUORANTHENE	8.7	ND		ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB004-70001**		**HOV-ASB004-70002**		**HOV-ASB031-40001**	
		Depth - ft bgs	**6 - 7**		**11 - 12**		**0 - 1**	
		Collected Date	**08/17/99**		**08/17/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND		ND			
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND			
	BENZO(GHI)PERYLENE	2300	ND		ND			
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND			
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB031-70001**		**HOV-ASB031-70002**		**HOV-ASS002-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/19/99**		**08/19/99**		**08/16/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		0.027	
	TOLUENE	16000	ND		ND		0.018	
	ETHYL BENZENE	7800	ND		ND		0.018	
	XYLENES (TOTAL)	1000000	ND		ND		0.066	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600					ND	
	ACENAPTHYLENE	4700					ND	
	ACENAPHTHENE	4700					ND	
	FLUORENE	3100					ND	
	PHENANTHRENE	23000					ND	
	ANTHRACENE	23000					ND	
	FLUORANTHENE	3100					ND	
	PYRENE	2300					ND	
	BENZO(A)ANTHRACENE	.87					ND	
	CHRYSENE	87					ND	
	BENZO(B)FLUORANTHENE	.87					ND	
	BENZO(K)FLUORANTHENE	8.7					ND	

Notes:

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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB031-70001**		**HOV-ASB031-70002**		**HOV-ASS002-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/19/99**		**08/19/99**		**08/16/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087					ND	
	DIBENZO(A,H)ANTHRACENE	.087					ND	
	BENZO(GHI)PERYLENE	2300					ND	
	INDENO(1,2,3-C,D)PYRENE	.87					ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	3				4	
		PRA Description	ESD BLOWDOWNS				VENT STACK/FLAME ARREST	
		Sample Type	Normal Sample				Normal Sample	
		Sample Id	HOV-ASS003-40001		HOV-ASS004-40001		HOV-ASS005-40001	
		Depth - ft bgs	0 - .5		0 - .5		0 - 1	
		Collected Date	08/16/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22					0.011	
	TOLUENE	16000					ND	
	ETHYL BENZENE	7800					0.007	
	XYLENES (TOTAL)	1000000					0.034	
	ACETONE	7800						
BNA	NAPHTHALENE	1600					ND	
	ACENAPTHYLENE	4700					ND	
	ACENAPHTHENE	4700					ND	
	FLUORENE	3100					ND	
	PHENANTHRENE	23000					ND	
	ANTHRACENE	23000					ND	
	FLUORANTHENE	3100					ND	
	PYRENE	2300					ND	
	BENZO(A)ANTHRACENE	.87					ND	
	CHRYSENE	87					ND	
	BENZO(B)FLUORANTHENE	.87					ND	
	BENZO(K)FLUORANTHENE	8.7					ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	3				4	
		PRA Description	ESD BLOWDOWNS				VENT STACK/FLAME ARREST	
		Sample Type	Normal Sample				Normal Sample	
		Sample Id	HOV-ASS003-40001		HOV-ASS004-40001		HOV-ASS005-40001	
		Depth - ft bgs	0 - .5		0 - .5		0 - 1	
		Collected Date	08/16/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087					ND	
	DIBENZO(A,H)ANTHRACENE	.087					ND	
	BENZO(GHI)PERYLENE	2300					ND	
	INDENO(1,2,3-C,D)PYRENE	.87					ND	
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
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Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					5	
		PRA Description	)R UNIT				DRUM STORAGE AREA #2	
		Sample Type					Normal Sample	
		Sample Id	HOV-ASS005-70001		HOV-ASS005-70002		HOV-ASS006-40001	
		Depth - ft bgs	2 - 3		3 - 4		0 - 1	
		Collected Date	08/16/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	0.034		0.11			
	TOLUENE	16000	0.006		0.023			
	ETHYL BENZENE	7800	0.008		0.038			
	XYLENES (TOTAL)	1000000	0.041		0.11			
	ACETONE	7800						
BNA	NAPHTHALENE	1600	ND		0.60 R			
	ACENAPTHYLENE	4700	ND		0.60 R			
	ACENAPHTHENE	4700	ND		0.60 R			
	FLUORENE	3100	ND		0.60 R			
	PHENANTHRENE	23000	ND		0.60 R			
	ANTHRACENE	23000	ND		0.60 R			
	FLUORANTHENE	3100	ND		0.60 R			
	PYRENE	2300	ND		0.60 R			
	BENZO(A)ANTHRACENE	.87	ND		0.60 R			
	CHRYSENE	87	ND		0.60 R			
	BENZO(B)FLUORANTHENE	.87	ND		0.60 R			
	BENZO(K)FLUORANTHENE	8.7	ND		0.60 R			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					5	
		PRA Description	)R UNIT				DRUM STORAGE AREA #2	
		Sample Type					Normal Sample	
		Sample Id	HOV-ASS005-70001		HOV-ASS005-70002		HOV-ASS006-40001	
		Depth - ft bgs	2 - 3		3 - 4		0 - 1	
		Collected Date	08/16/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND		0.60 R	X		
	DIBENZO(A,H)ANTHRACENE	.087	ND		0.60 R	X		
	BENZO(GHI)PERYLENE	2300	ND		0.60 R			
	INDENO(1,2,3-C,D)PYRENE	.87	ND		0.60 R			
P/PCB	AROCLOR-1016	1	ND		ND			
	AROCLOR-1221	1	ND		ND			
	AROCLOR-1232	1	ND		ND			
	AROCLOR-1242	1	ND		ND			
	AROCLOR-1248	1	ND		ND			
	AROCLOR-1254	1	ND		ND			
	AROCLOR-1260	1	ND		ND			
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	6					
		PRA Description	SUCTION LINE SEPARATOR/SUCTION LINE FILTER					
		Sample Type	Field Duplicate (Rep)		Normal Sample			
		Sample Id	HOV-ASB006-71001		HOV-ASB005-40001		HOV-ASB005-70001	
		Depth - ft bgs	2 - 3		0 - 1		2 - 3	
		Collected Date	08/17/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	0.006		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	NAPHTHALENE	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	6					
		PRA Description	SUCTION LINE SEPARATOR/SUCTION LINE FILTER					
		Sample Type	Field Duplicate (Rep)		Normal Sample			
		Sample Id	HOV-ASB006-71001		HOV-ASB005-40001		HOV-ASB005-70001	
		Depth - ft bgs	2 - 3		0 - 1		2 - 3	
		Collected Date	08/17/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB005-70002**		**HOV-ASB006-40001**		**HOV-ASB006-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB005-70002**		**HOV-ASB006-40001**		**HOV-ASB006-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB006-70002**		**HOV-ASB007-40001**		**HOV-ASB007-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB006-70002**		**HOV-ASB007-40001**		**HOV-ASB007-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			7			
		PRA Description			**DISCHARGE LINE SEPARATOR**			
		Sample Type			**Normal Sample**			
		Sample Id	**HOV-ASB007-70002**		**HOV-ASB008-40001**		**HOV-ASB008-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			7			
		PRA Description			**DISCHARGE LINE SEPARATOR**			
		Sample Type			**Normal Sample**			
		Sample Id	**HOV-ASB007-70002**		**HOV-ASB008-40001**		**HOV-ASB008-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			8			
		PRA Description			DISCHARGE LINE FILTER			
		Sample Type			Field Duplicate (Rep)		Normal Sample	
		Sample Id	HOV-ASB008-70002		HOV-ASB009-41001		HOV-ASB009-40001	
		Depth - ft bgs	3 - 4		0 - 1		0 - 1	
		Collected Date	08/18/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	NAPHTHALENE	1600			ND		ND	
	ACENAPTHYLENE	4700			ND		ND	
	ACENAPHTHENE	4700			ND		ND	
	FLUORENE	3100			ND		ND	
	PHENANTHRENE	23000			ND		ND	
	ANTHRACENE	23000			ND		ND	
	FLUORANTHENE	3100			ND		ND	
	PYRENE	2300			ND		ND	
	BENZO(A)ANTHRACENE	.87			ND		ND	
	CHRYSENE	87			ND		ND	
	BENZO(B)FLUORANTHENE	.87			ND		ND	
	BENZO(K)FLUORANTHENE	8.7			ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			8			
		PRA Description			DISCHARGE LINE FILTER			
		Sample Type			Field Duplicate (Rep)		Normal Sample	
		Sample Id	HOV-ASB008-70002		HOV-ASB009-41001		HOV-ASB009-40001	
		Depth - ft bgs	3 - 4		0 - 1		0 - 1	
		Collected Date	08/18/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087			ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087			ND		ND	
	BENZO(GHI)PERYLENE	2300			ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87			ND		ND	
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					9	
		PRA Description					CONTACT TOWERS	
		Sample Type					Normal Sample	
		Sample Id	HOV-ASB009-70001		HOV-ASB009-70002		HOV-ASB010-40001	
		Depth - ft bgs	2 - 3		3 - 4		0 - 1	
		Collected Date	08/17/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	NAPHTHALENE	1600	ND		ND			
	ACENAPTHYLENE	4700	ND		ND			
	ACENAPHTHENE	4700	ND		ND			
	FLUORENE	3100	ND		ND			
	PHENANTHRENE	23000	ND		ND			
	ANTHRACENE	23000	ND		ND			
	FLUORANTHENE	3100	ND		ND			
	PYRENE	2300	ND		ND			
	BENZO(A)ANTHRACENE	.87	ND		ND			
	CHRYSENE	87	ND		ND			
	BENZO(B)FLUORANTHENE	.87	ND		ND			
	BENZO(K)FLUORANTHENE	8.7	ND		ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					9	
		PRA Description					CONTACT TOWERS	
		Sample Type					Normal Sample	
		Sample Id	HOV-ASB009-70001		HOV-ASB009-70002		HOV-ASB010-40001	
		Depth - ft bgs	2 - 3		3 - 4		0 - 1	
		Collected Date	08/17/99		08/17/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND		ND			
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND			
	BENZO(GHI)PERYLENE	2300	ND		ND			
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND			
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43					20.4	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB010-70001**		**HOV-ASB010-70002**		**HOV-ASB011-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/18/99**		**08/18/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600					ND	
	ACENAPTHYLENE	4700					ND	
	ACENAPHTHENE	4700					ND	
	FLUORENE	3100					ND	
	PHENANTHRENE	23000					ND	
	ANTHRACENE	23000					ND	
	FLUORANTHENE	3100					ND	
	PYRENE	2300					ND	
	BENZO(A)ANTHRACENE	.87					ND	
	CHRYSENE	87					ND	
	BENZO(B)FLUORANTHENE	.87					ND	
	BENZO(K)FLUORANTHENE	8.7					ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB010-70001**		**HOV-ASB010-70002**		**HOV-ASB011-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/18/99**		**08/18/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087					ND	
	DIBENZO(A,H)ANTHRACENE	.087					ND	
	BENZO(GHI)PERYLENE	2300					ND	
	INDENO(1,2,3-C,D)PYRENE	.87					ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43	17.6	X	23.4	X	19.3	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					10	
		PRA Description					COMPRESSOR #1	
		Sample Type					Normal Sample	
		Sample Id	HOV-ASB011-70001		HOV-ASB011-70002		HOV-ASB012-40001	
		Depth - ft bgs	2 - 3		3 - 4		0 - 1	
		Collected Date	08/17/99		08/17/99		08/18/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		0.008	
	ACETONE	7800						
BNA	NAPHTHALENE	1600	ND		ND			
	ACENAPTHYLENE	4700	ND		ND			
	ACENAPHTHENE	4700	ND		ND			
	FLUORENE	3100	ND		ND			
	PHENANTHRENE	23000	ND		ND			
	ANTHRACENE	23000	ND		ND			
	FLUORANTHENE	3100	ND		ND			
	PYRENE	2300	ND		ND			
	BENZO(A)ANTHRACENE	.87	ND		ND			
	CHRYSENE	87	ND		ND			
	BENZO(B)FLUORANTHENE	.87	ND		ND			
	BENZO(K)FLUORANTHENE	8.7	ND		ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					10	
		PRA Description					COMPRESSOR #1	
		Sample Type					Normal Sample	
		Sample Id	HOV-ASB011-70001		HOV-ASB011-70002		HOV-ASB012-40001	
		Depth - ft bgs	2 - 3		3 - 4		0 - 1	
		Collected Date	08/17/99		08/17/99		08/18/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND		ND			
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND			
	BENZO(GHI)PERYLENE	2300	ND		ND			
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND			
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43	19.6	X	17.5	X		

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB012-70001**		**HOV-ASB012-70002**		**HOV-ASB013-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/18/99**		**08/18/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB012-70001**		**HOV-ASB012-70002**		**HOV-ASB013-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/18/99**		**08/18/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB013-70001**		**HOV-ASB013-70002**		**HOV-ASS007-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 0**	
		Collected Date	**08/17/99**		**08/17/99**		**08/23/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND			
	TOLUENE	16000	ND		ND			
	ETHYL BENZENE	7800	ND		ND			
	XYLENES (TOTAL)	1000000	ND		ND			
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB013-70001**		**HOV-ASB013-70002**		**HOV-ASS007-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 0**	
		Collected Date	**08/17/99**		**08/17/99**		**08/23/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			11		12	
		PRA Description			FORMER DRUM STORAGE ARE		COMPRESSOR ENGINE VENTS/	
		Sample Type			Normal Sample		Normal Sample	
		Sample Id	HOV-ASS008-40001		HOV-ASS009-40001		HOV-ASS010-40001	
		Depth - ft bgs	0 - 0		0 - 1		0 - .5	
		Collected Date	08/23/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22			ND			
	TOLUENE	16000			ND			
	ETHYL BENZENE	7800			ND			
	XYLENES (TOTAL)	1000000			ND			
	ACETONE	7800			ND			
BNA	NAPHTHALENE	1600			ND			
	ACENAPTHYLENE	4700			ND			
	ACENAPHTHENE	4700			0.55 R			
	FLUORENE	3100			ND			
	PHENANTHRENE	23000			ND			
	ANTHRACENE	23000			ND			
	FLUORANTHENE	3100			ND			
	PYRENE	2300			0.55 R			
	BENZO(A)ANTHRACENE	.87			ND			
	CHRYSENE	87			ND			
	BENZO(B)FLUORANTHENE	.87			ND			
	BENZO(K)FLUORANTHENE	8.7			ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			11		12	
		PRA Description			FORMER DRUM STORAGE ARE		COMPRESSOR ENGINE VENTS/	
		Sample Type			Normal Sample		Normal Sample	
		Sample Id	HOV-ASS008-40001		HOV-ASS009-40001		HOV-ASS010-40001	
		Depth - ft bgs	0 - 0		0 - 1		0 - .5	
		Collected Date	08/23/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087			ND			
	DIBENZO(A,H)ANTHRACENE	.087			ND			
	BENZO(GHI)PERYLENE	2300			ND			
	INDENO(1,2,3-C,D)PYRENE	.87			ND			
P/PCB	AROCLOR-1016	1	0.033 R		ND		ND	
	AROCLOR-1221	1	0.033 R		ND		ND	
	AROCLOR-1232	1	0.033 R		ND		ND	
	AROCLOR-1242	1	0.033 R		ND		ND	
	AROCLOR-1248	1	0.033 R		ND		ND	
	AROCLOR-1254	1	0.033 R		ND		ND	
	AROCLOR-1260	1	0.033 R		ND		ND	
METAL	BARIUM, TOTAL	5500			94.5			
	CADMIUM, TOTAL	39			ND			
	CHROMIUM, TOTAL	230			10.8			
	LEAD, TOTAL	400			ND			
	NICKEL, TOTAL	1600			14.4			
	ARSENIC, TOTAL	.43			14.6	X		

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	13					
		PRA Description	COMPRESSOR #2					
		Sample Type	Field Duplicate (Rep)		Normal Sample			
		Sample Id	HOV-ASB033-71001		HOV-ASB014-40001		HOV-ASB014-70001	
		Depth - ft bgs	2 - 3		0 - 1		2 - 3	
		Collected Date	08/19/99		08/18/99		08/18/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	NAPHTHALENE	1600	ND					
	ACENAPTHYLENE	4700	ND					
	ACENAPHTHENE	4700	ND					
	FLUORENE	3100	ND					
	PHENANTHRENE	23000	ND					
	ANTHRACENE	23000	ND					
	FLUORANTHENE	3100	ND					
	PYRENE	2300	ND					
	BENZO(A)ANTHRACENE	.87	ND					
	CHRYSENE	87	ND					
	BENZO(B)FLUORANTHENE	.87	ND					
	BENZO(K)FLUORANTHENE	8.7	ND					

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA	13					
		PRA Description	COMPRESSOR #2					
		Sample Type	Field Duplicate (Rep)		Normal Sample			
		Sample Id	HOV-ASB033-71001		HOV-ASB014-40001		HOV-ASB014-70001	
		Depth - ft bgs	2 - 3		0 - 1		2 - 3	
		Collected Date	08/19/99		08/18/99		08/18/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087	ND					
	DIBENZO(A,H)ANTHRACENE	.087	ND					
	BENZO(GHI)PERYLENE	2300	ND					
	INDENO(1,2,3-C,D)PYRENE	.87	ND					
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB014-70002**		**HOV-ASB015-40001**		**HOV-ASB015-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/18/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		0.15		0.022	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600			ND		ND	
	ACENAPTHYLENE	4700			ND		ND	
	ACENAPHTHENE	4700			ND		ND	
	FLUORENE	3100			ND		ND	
	PHENANTHRENE	23000			ND		ND	
	ANTHRACENE	23000			ND		ND	
	FLUORANTHENE	3100			ND		ND	
	PYRENE	2300			ND		ND	
	BENZO(A)ANTHRACENE	.87			ND		ND	
	CHRYSENE	87			ND		ND	
	BENZO(B)FLUORANTHENE	.87			ND		ND	
	BENZO(K)FLUORANTHENE	8.7			ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB014-70002**		**HOV-ASB015-40001**		**HOV-ASB015-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/18/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087			ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087			ND		ND	
	BENZO(GHI)PERYLENE	2300			ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87			ND		ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB015-70002**		**HOV-ASB015-70003**		**HOV-ASB015-70004**	
		Depth - ft bgs	**3 - 4**		**6 - 7**		**11 - 12**	
		Collected Date	**08/18/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	0.025		ND		ND	
	XYLENES (TOTAL)	1000000	0.19		0.22		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600	ND		ND		ND	
	ACENAPTHYLENE	4700	ND		ND		ND	
	ACENAPHTHENE	4700	ND		ND		ND	
	FLUORENE	3100	ND		ND		ND	
	PHENANTHRENE	23000	ND		ND		ND	
	ANTHRACENE	23000	ND		ND		ND	
	FLUORANTHENE	3100	ND		ND		ND	
	PYRENE	2300	ND		ND		ND	
	BENZO(A)ANTHRACENE	.87	ND		ND		ND	
	CHRYSENE	87	ND		ND		ND	
	BENZO(B)FLUORANTHENE	.87	ND		ND		ND	
	BENZO(K)FLUORANTHENE	8.7	ND		ND		ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB015-70002**		**HOV-ASB015-70003**		**HOV-ASB015-70004**	
		Depth - ft bgs	**3 - 4**		**6 - 7**		**11 - 12**	
		Collected Date	**08/18/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND		ND		ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND		ND	
	BENZO(GHI)PERYLENE	2300	ND		ND		ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND		ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB032-40001**		**HOV-ASB032-70001**		**HOV-ASB032-70002**	
		Depth - ft bgs	**0 - 1**		**2 - 3**		**3 - 4**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600			ND			
	ACENAPTHYLENE	4700			ND			
	ACENAPHTHENE	4700			ND			
	FLUORENE	3100			ND			
	PHENANTHRENE	23000			ND			
	ANTHRACENE	23000			ND			
	FLUORANTHENE	3100			ND			
	PYRENE	2300			ND			
	BENZO(A)ANTHRACENE	.87			ND			
	CHRYSENE	87			ND			
	BENZO(B)FLUORANTHENE	.87			ND			
	BENZO(K)FLUORANTHENE	8.7			ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB032-40001**		**HOV-ASB032-70001**		**HOV-ASB032-70002**	
		Depth - ft bgs	**0 - 1**		**2 - 3**		**3 - 4**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087			ND			
	DIBENZO(A,H)ANTHRACENE	.087			ND			
	BENZO(GHI)PERYLENE	2300			ND			
	INDENO(1,2,3-C,D)PYRENE	.87			ND			
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB033-40001**		**HOV-ASB033-70001**		**HOV-ASB033-70002**	
		Depth - ft bgs	**0 - 1**		**2 - 3**		**3 - 4**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600			ND			
	ACENAPTHYLENE	4700			ND			
	ACENAPHTHENE	4700			ND			
	FLUORENE	3100			ND			
	PHENANTHRENE	23000			ND			
	ANTHRACENE	23000			ND			
	FLUORANTHENE	3100			ND			
	PYRENE	2300			ND			
	BENZO(A)ANTHRACENE	.87			ND			
	CHRYSENE	87			ND			
	BENZO(B)FLUORANTHENE	.87			ND			
	BENZO(K)FLUORANTHENE	8.7			ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB033-40001**		**HOV-ASB033-70001**		**HOV-ASB033-70002**	
		Depth - ft bgs	**0 - 1**		**2 - 3**		**3 - 4**	
		Collected Date	**08/19/99**		**08/19/99**		**08/19/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087			ND			
	DIBENZO(A,H)ANTHRACENE	.087			ND			
	BENZO(GHI)PERYLENE	2300			ND			
	INDENO(1,2,3-C,D)PYRENE	.87			ND			
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					14	
		PRA Description					FORMER DRUM STORAGE ARE	
		Sample Type					Field Duplicate (Rep)	
		Sample Id	HOV-ASS011-40001		HOV-ASS012-40001		HOV-ASS013-41001	
		Depth - ft bgs	0 - 0		0 - 0		0 - 1	
		Collected Date	08/23/99		08/23/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22					ND	
	TOLUENE	16000					ND	
	ETHYL BENZENE	7800					ND	
	XYLENES (TOTAL)	1000000					ND	
	ACETONE	7800					ND	
BNA	NAPHTHALENE	1600					ND	
	ACENAPTHYLENE	4700					ND	
	ACENAPHTHENE	4700					ND	
	FLUORENE	3100					ND	
	PHENANTHRENE	23000					ND	
	ANTHRACENE	23000					ND	
	FLUORANTHENE	3100					ND	
	PYRENE	2300					ND	
	BENZO(A)ANTHRACENE	.87					ND	
	CHRYSENE	87					ND	
	BENZO(B)FLUORANTHENE	.87					ND	
	BENZO(K)FLUORANTHENE	8.7					ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA					14	
		PRA Description					FORMER DRUM STORAGE ARE	
		Sample Type					Field Duplicate (Rep)	
		Sample Id	HOV-ASS011-40001		HOV-ASS012-40001		HOV-ASS013-41001	
		Depth - ft bgs	0 - 0		0 - 0		0 - 1	
		Collected Date	08/23/99		08/23/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087					ND	
	DIBENZO(A,H)ANTHRACENE	.087					ND	
	BENZO(GHI)PERYLENE	2300					ND	
	INDENO(1,2,3-C,D)PYRENE	.87					ND	
P/PCB	AROCLOR-1016	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	BARIUM, TOTAL	5500					79.9	
	CADMIUM, TOTAL	39					1.5	
	CHROMIUM, TOTAL	230					13.7	
	LEAD, TOTAL	400					ND	
	NICKEL, TOTAL	1600					17.4	
	ARSENIC, TOTAL	.43					14.1	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			15		16	
		PRA Description	A #2		COMPRESSOR ENGINE VENTS/		FORMER COMPRESSOR #3	
		Sample Type	Normal Sample		Normal Sample		Normal Sample	
		Sample Id	HOV-ASS013-40001		HOV-ASS014-40001		HOV-ASB016-40001	
		Depth - ft bgs	0 - 1		0 - .5		0 - 1	
		Collected Date	08/16/99		08/16/99		08/17/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22	ND				ND	
	TOLUENE	16000	ND				ND	
	ETHYL BENZENE	7800	ND				0.007	
	XYLENES (TOTAL)	1000000	ND				0.011	
	ACETONE	7800	ND					
BNA	NAPHTHALENE	1600	ND				ND	
	ACENAPTHYLENE	4700	ND				ND	
	ACENAPHTHENE	4700	ND				ND	
	FLUORENE	3100	ND				ND	
	PHENANTHRENE	23000	ND				ND	
	ANTHRACENE	23000	ND				ND	
	FLUORANTHENE	3100	ND				ND	
	PYRENE	2300	ND				ND	
	BENZO(A)ANTHRACENE	.87	ND				ND	
	CHRYSENE	87	ND				ND	
	BENZO(B)FLUORANTHENE	.87	ND				ND	
	BENZO(K)FLUORANTHENE	8.7	ND				ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			15		16	
		PRA Description	A #2		COMPRESSOR ENGINE VENTS/		FORMER COMPRESSOR #3	
		Sample Type	**Normal Sample**		**Normal Sample**		**Normal Sample**	
		Sample Id	**HOV-ASS013-40001**		**HOV-ASS014-40001**		**HOV-ASB016-40001**	
		Depth - ft bgs	**0 - 1**		**0 - .5**		**0 - 1**	
		Collected Date	**08/16/99**		**08/16/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND				ND	
	DIBENZO(A,H)ANTHRACENE	.087	ND				ND	
	BENZO(GHI)PERYLENE	2300	ND				ND	
	INDENO(1,2,3-C,D)PYRENE	.87	ND				ND	
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500	99.2					
	CADMIUM, TOTAL	39	1.4					
	CHROMIUM, TOTAL	230	14.3					
	LEAD, TOTAL	400	ND					
	NICKEL, TOTAL	1600	19.0					
	ARSENIC, TOTAL	.43	15.6	X				

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB016-70001**		**HOV-ASB016-70002**		**HOV-ASB017-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/17/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	0.008		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600	ND		ND			
	ACENAPTHYLENE	4700	ND		ND			
	ACENAPHTHENE	4700	ND		ND			
	FLUORENE	3100	ND		ND			
	PHENANTHRENE	23000	ND		ND			
	ANTHRACENE	23000	ND		ND			
	FLUORANTHENE	3100	ND		ND			
	PYRENE	2300	ND		ND			
	BENZO(A)ANTHRACENE	.87	ND		ND			
	CHRYSENE	87	ND		ND			
	BENZO(B)FLUORANTHENE	.87	ND		ND			
	BENZO(K)FLUORANTHENE	8.7	ND		ND			

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB016-70001**		**HOV-ASB016-70002**		**HOV-ASB017-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 1**	
		Collected Date	**08/17/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087	ND		ND			
	DIBENZO(A,H)ANTHRACENE	.087	ND		ND			
	BENZO(GHI)PERYLENE	2300	ND		ND			
	INDENO(1,2,3-C,D)PYRENE	.87	ND		ND			
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB017-70001**		**HOV-ASB017-70002**		**HOV-ASS015-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 0**	
		Collected Date	**08/17/99**		**08/17/99**		**08/23/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND			
	TOLUENE	16000	ND		ND			
	ETHYL BENZENE	7800	ND		ND			
	XYLENES (TOTAL)	1000000	ND		ND			
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB017-70001**		**HOV-ASB017-70002**		**HOV-ASS015-40001**	
		Depth - ft bgs	**2 - 3**		**3 - 4**		**0 - 0**	
		Collected Date	**08/17/99**		**08/17/99**		**08/23/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			17			
		PRA Description			**REBOILERS**			
		Sample Type			**Normal Sample**			
		Sample Id	**HOV-ASS016-40001**		**HOV-ASB018-40001**		**HOV-ASB018-70001**	
		Depth - ft bgs	**0 - 0**		**0 - 1**		**2 - 3**	
		Collected Date	**08/23/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22			ND		0.006	
	TOLUENE	16000			ND		ND	
	ETHYL BENZENE	7800			ND		ND	
	XYLENES (TOTAL)	1000000			ND		0.013	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			17			
		PRA Description			**REBOILERS**			
		Sample Type			**Normal Sample**			
		Sample Id	**HOV-ASS016-40001**		**HOV-ASB018-40001**		**HOV-ASB018-70001**	
		Depth - ft bgs	**0 - 0**		**0 - 1**		**2 - 3**	
		Collected Date	**08/23/99**		**08/17/99**		**08/17/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB018-70002**		**HOV-ASB019-40001**		**HOV-ASB019-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND		ND		ND	
	TOLUENE	16000	ND		ND		ND	
	ETHYL BENZENE	7800	ND		ND		ND	
	XYLENES (TOTAL)	1000000	ND		ND		ND	
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB018-70002**		**HOV-ASB019-40001**		**HOV-ASB019-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/17/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND		ND		ND	
	AROCLOR-1221	1	ND		ND		ND	
	AROCLOR-1232	1	ND		ND		ND	
	AROCLOR-1242	1	ND		ND		ND	
	AROCLOR-1248	1	ND		ND		ND	
	AROCLOR-1254	1	ND		ND		ND	
	AROCLOR-1260	1	ND		ND		ND	
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43			14.0	X	11.3	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB019-70002**		**HOV-BSB018-40001**		**HOV-BSB018-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/18/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
VOA	**BENZENE**	22	ND					
	TOLUENE	16000	ND					
	ETHYL BENZENE	7800	ND					
	XYLENES (TOTAL)	1000000	ND					
	ACETONE	7800						
BNA	**NAPHTHALENE**	1600						
	ACENAPTHYLENE	4700						
	ACENAPHTHENE	4700						
	FLUORENE	3100						
	PHENANTHRENE	23000						
	ANTHRACENE	23000						
	FLUORANTHENE	3100						
	PYRENE	2300						
	BENZO(A)ANTHRACENE	.87						
	CHRYSENE	87						
	BENZO(B)FLUORANTHENE	.87						
	BENZO(K)FLUORANTHENE	8.7						

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA						
		PRA Description						
		Sample Type						
		Sample Id	**HOV-ASB019-70002**		**HOV-BSB018-40001**		**HOV-BSB018-70001**	
		Depth - ft bgs	**3 - 4**		**0 - 1**		**2 - 3**	
		Collected Date	**08/18/99**		**08/18/99**		**08/18/99**	
		Laboratory	**CT&E Environmental Services**		**CT&E Environmental Services**		**CT&E Environmental Services**	
		Sample Collector	**SE Technologies**		**SE Technologies**		**SE Technologies**	
		Result Units	**MG/KG**		**MG/KG**		**MG/KG**	
Category	Analyte	Action Level	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***	**Result Flag**	**> CAL***
	BENZO(A)PYRENE	.087						
	DIBENZO(A,H)ANTHRACENE	.087						
	BENZO(GHI)PERYLENE	2300						
	INDENO(1,2,3-C,D)PYRENE	.87						
P/PCB	**AROCLOR-1016**	1	ND					
	AROCLOR-1221	1	ND					
	AROCLOR-1232	1	ND					
	AROCLOR-1242	1	ND					
	AROCLOR-1248	1	ND					
	AROCLOR-1254	1	ND					
	AROCLOR-1260	1	ND					
METAL	**BARIUM, TOTAL**	5500						
	CADMIUM, TOTAL	39						
	CHROMIUM, TOTAL	230						
	LEAD, TOTAL	400						
	NICKEL, TOTAL	1600						
	ARSENIC, TOTAL	.43	14.2	X	11.9	X	15.6	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

		PRA			18		19	
		PRA Description			FORMER COMPRESSOR ENGIN		FORMER DRUM STORAGE ARE	
		Sample Type			Normal Sample		Normal Sample	
		Sample Id	HOV-BSB018-70002		HOV-ASS017-40001		HOV-ASS018-40001	
		Depth - ft bgs	3 - 4		0 - .5		0 - 1	
		Collected Date	08/18/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
VOA	BENZENE	22					ND	
	TOLUENE	16000					ND	
	ETHYL BENZENE	7800					ND	
	XYLENES (TOTAL)	1000000					ND	
	ACETONE	7800					ND	
BNA	NAPHTHALENE	1600					ND	
	ACENAPTHYLENE	4700					ND	
	ACENAPHTHENE	4700					ND	
	FLUORENE	3100					ND	
	PHENANTHRENE	23000					ND	
	ANTHRACENE	23000					ND	
	FLUORANTHENE	3100					ND	
	PYRENE	2300					ND	
	BENZO(A)ANTHRACENE	.87					ND	
	CHRYSENE	87					ND	
	BENZO(B)FLUORANTHENE	.87					ND	
	BENZO(K)FLUORANTHENE	8.7					ND	

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

Table 4-3
Summary of Analytical Results

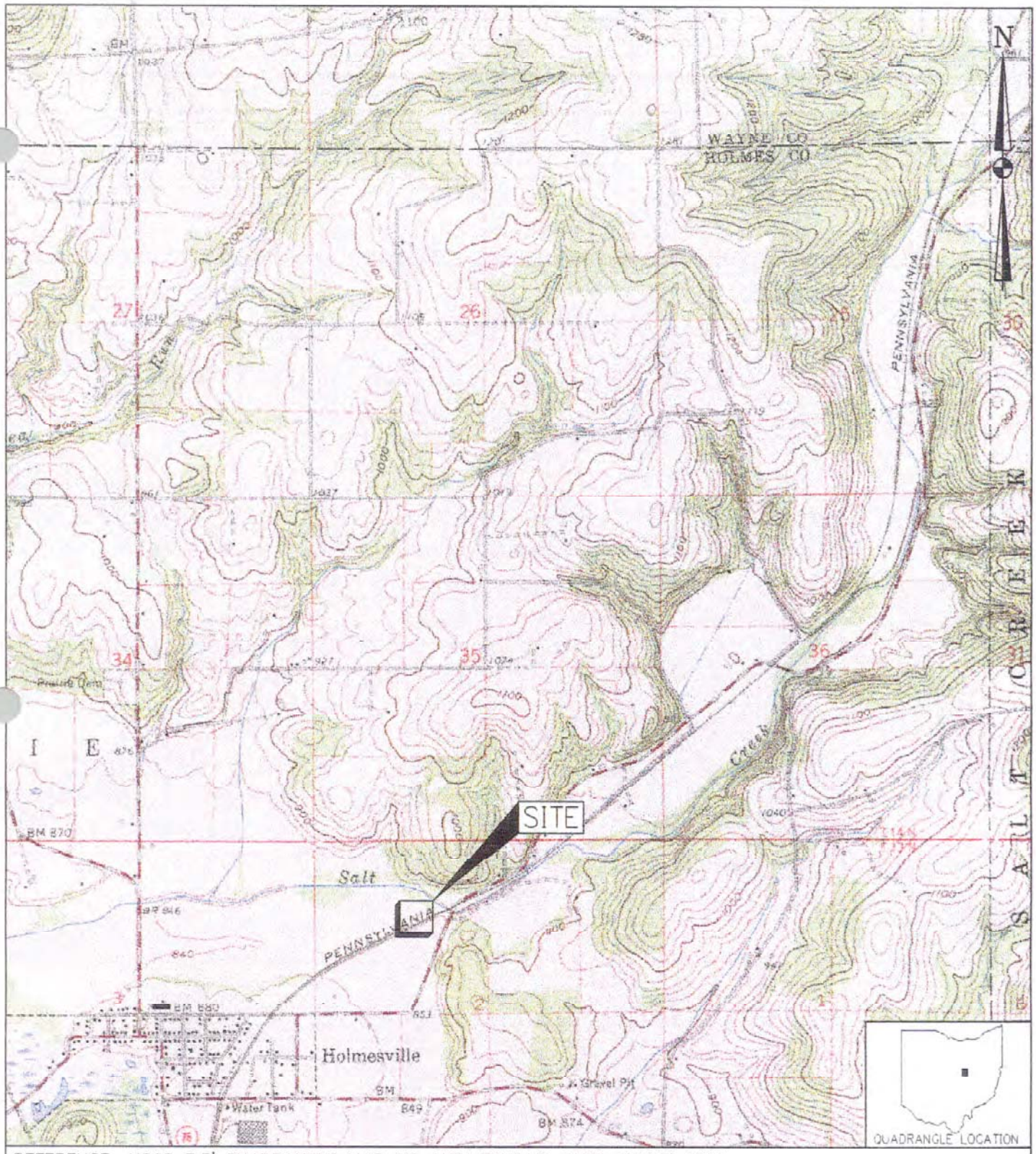
		PRA			18		19	
		PRA Description			FORMER COMPRESSOR ENGIN		FORMER DRUM STORAGE ARE	
		Sample Type			Normal Sample		Normal Sample	
		Sample Id	HOV-BSB018-70002		HOV-ASS017-40001		HOV-ASS018-40001	
		Depth - ft bgs	3 - 4		0 - .5		0 - 1	
		Collected Date	08/18/99		08/16/99		08/16/99	
		Laboratory	CT&E Environmental Services		CT&E Environmental Services		CT&E Environmental Services	
		Sample Collector	SE Technologies		SE Technologies		SE Technologies	
		Result Units	MG/KG		MG/KG		MG/KG	
Category	Analyte	Action Level	Result Flag	> CAL*	Result Flag	> CAL*	Result Flag	> CAL*
	BENZO(A)PYRENE	.087					ND	
	DIBENZO(A,H)ANTHRACENE	.087					ND	
	BENZO(GHI)PERYLENE	2300					ND	
	INDENO(1,2,3-C,D)PYRENE	.87					ND	
P/PCB	AROCLOR-1016	1			ND		ND	
	AROCLOR-1221	1			ND		ND	
	AROCLOR-1232	1			ND		ND	
	AROCLOR-1242	1			ND		ND	
	AROCLOR-1248	1			ND		ND	
	AROCLOR-1254	1			ND		ND	
	AROCLOR-1260	1			ND		ND	
METAL	BARIUM, TOTAL	5500					132	
	CADMIUM, TOTAL	39					2.8	
	CHROMIUM, TOTAL	230					14.2	
	LEAD, TOTAL	400					ND	
	NICKEL, TOTAL	1600					22.0	
	ARSENIC, TOTAL	.43	21.2	X			22.9	X

Notes:

* "> CAL" equals "X" when reported value is above characterization action level for this locale.
J flag - Numerical value is an estimated quantity.
ND indicates Non-Detect
Blank cells in result column indicate an analysis was not performed for that analyte.

Date generated: March 07, 2000

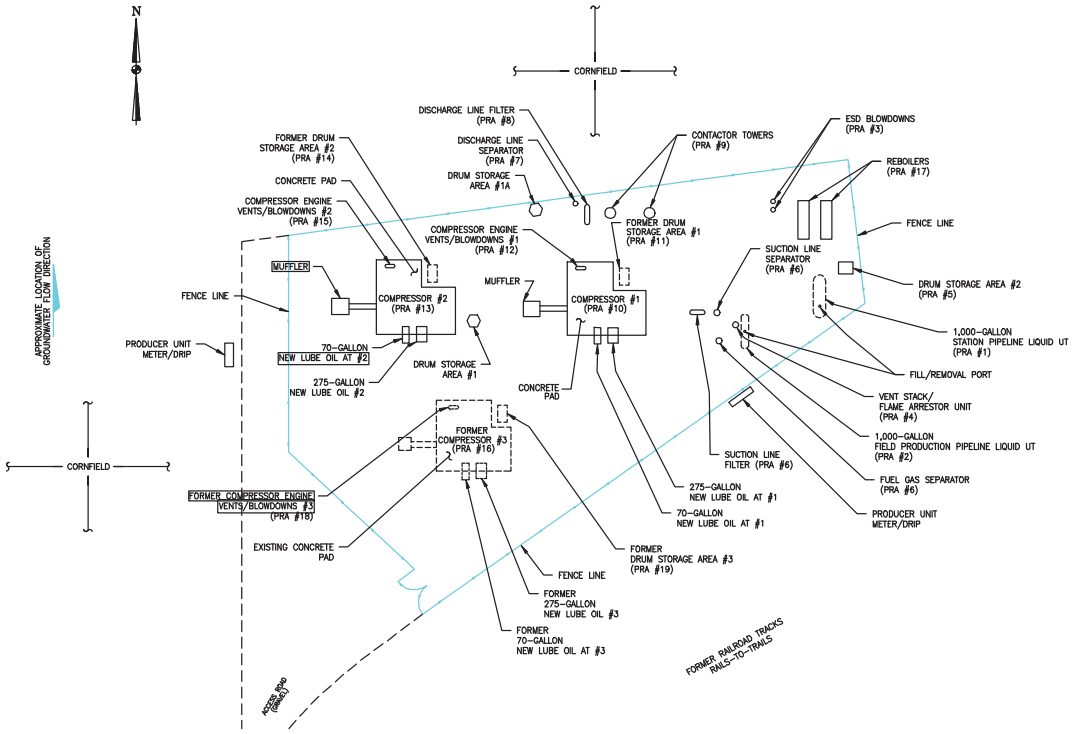
FIGURES



REFERENCE: USGS 7.5' QUADRANGLE MAP OF: HOLMESVILLE, OHIO; DATED 1961

DRAWN BY PWG	SE TECHNOLOGIES	COLUMBIA GAS TRANSMISSION
DATE		HOLMESVILLE COMPRESSOR STATION HOLMES COUNTY, OHIO SITE LOCATION MAP
CHECKED BY		
T JOB NO. 990031		
SET DWG FILE 99031m01.dwg		DRAWING NO. FIGURE 1-1 / REV. 0
DRAWING SCALE 1"=2000'	98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100	

Plot: PCICLER 10/23/2000 11:41 C:\col_gas\CWP\990031\HOV\99031m01.dwg



NOTES:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REPRESENT ACTUAL FIELD CONDITIONS.
2. SAMPLING LOCATION DETAILS AND PARAMETERS ARE DESCRIBED ON TABLE 3-1.
3. THE FACILITY IDENTIFICATION PREFIX ("HOV") HAS BEEN OMITTED FROM THE SAMPLE IDENTIFICATION NUMBERS SHOWN.

20' 0' 20' 40'
SCALE: 1"= 20'

DRAWN BY:	SCI
DATE:	
CHECKED BY:	
SET JOB NO.	990031
SET DWG FILE	99031c01.dwg
DRAWING SCALE	AS SHOWN

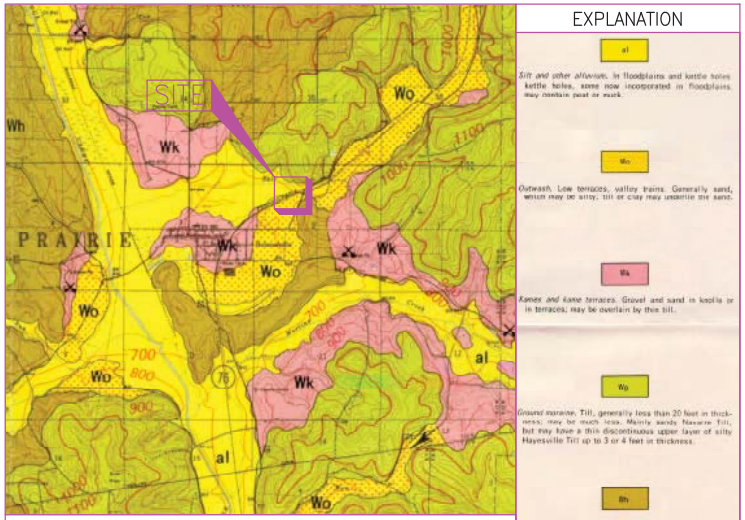
SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

COLUMBIA GAS TRANSMISSION

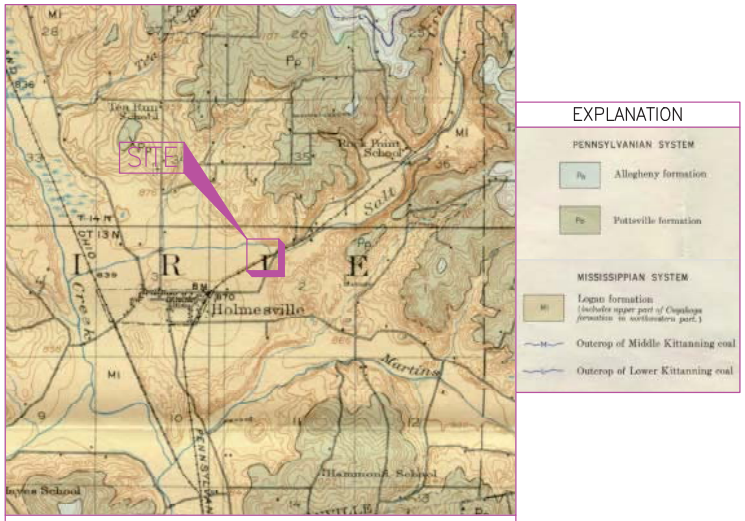
HOLMESVILLE COMPRESSOR STATION
HOLMES COUNTY, OHIO
SITE FEATURES MAP

DRAWING NO. FIGURE 1-2 REV. 0

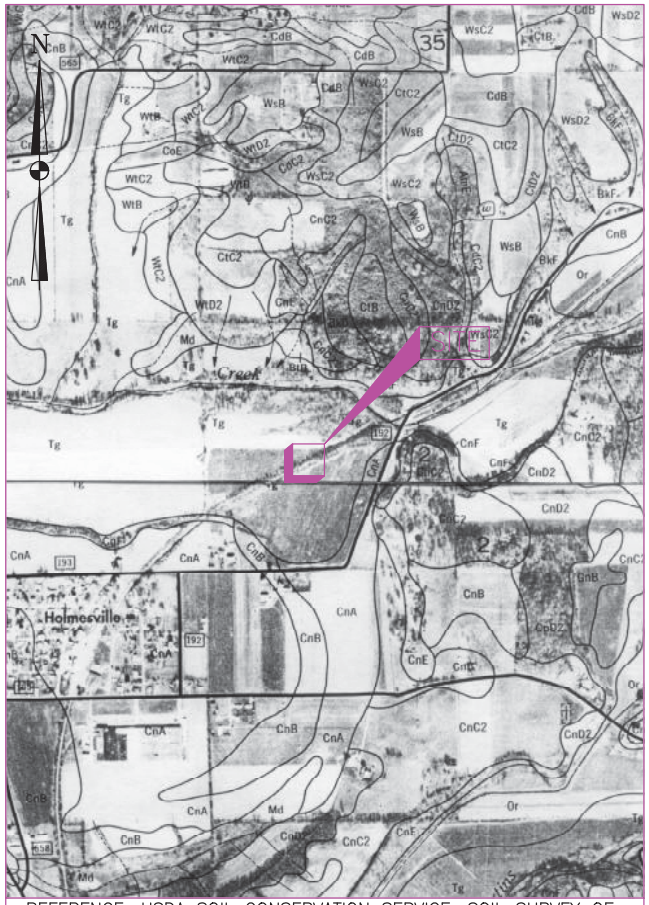
Plot: PGIGLER 10/23/2000 15:20 G:\col_gas\CWP\990031\HOV\990031c01.dwg



REFERENCE: OHIO DIVISION OF GEOLOGICAL SURVEY, REPORT OF INVESTIGATION No.91 GLACIAL GEOLOGY OF HOLMES COUNTY, OHIO; DATED 1973



REFERENCE: GEOLOGIC MAP OF HOLMES COUNTY, OHIO; BY GEORGE WHITE, DATED 1947



REFERENCE: USDA SOIL CONSERVATION SERVICE, SOIL SURVEY OF HOLMERS COUNTY, OHIO; SHEET No.5 AND No.8, DATED 1998

Tioga Series:

The tioga series consists of deep, well drained soils on the highest parts of flood plains. these soils formed in alluvium. Permeability is moderate to moderately rapid. Slopes range from 0 to 2 percent.

DRAWN BY	SCI
DATE	
CHECKED BY	—
SET JOB NO.	990031
SET DWG FILE	99031b02.dwg
DRAWING SCALE	N.T.S.

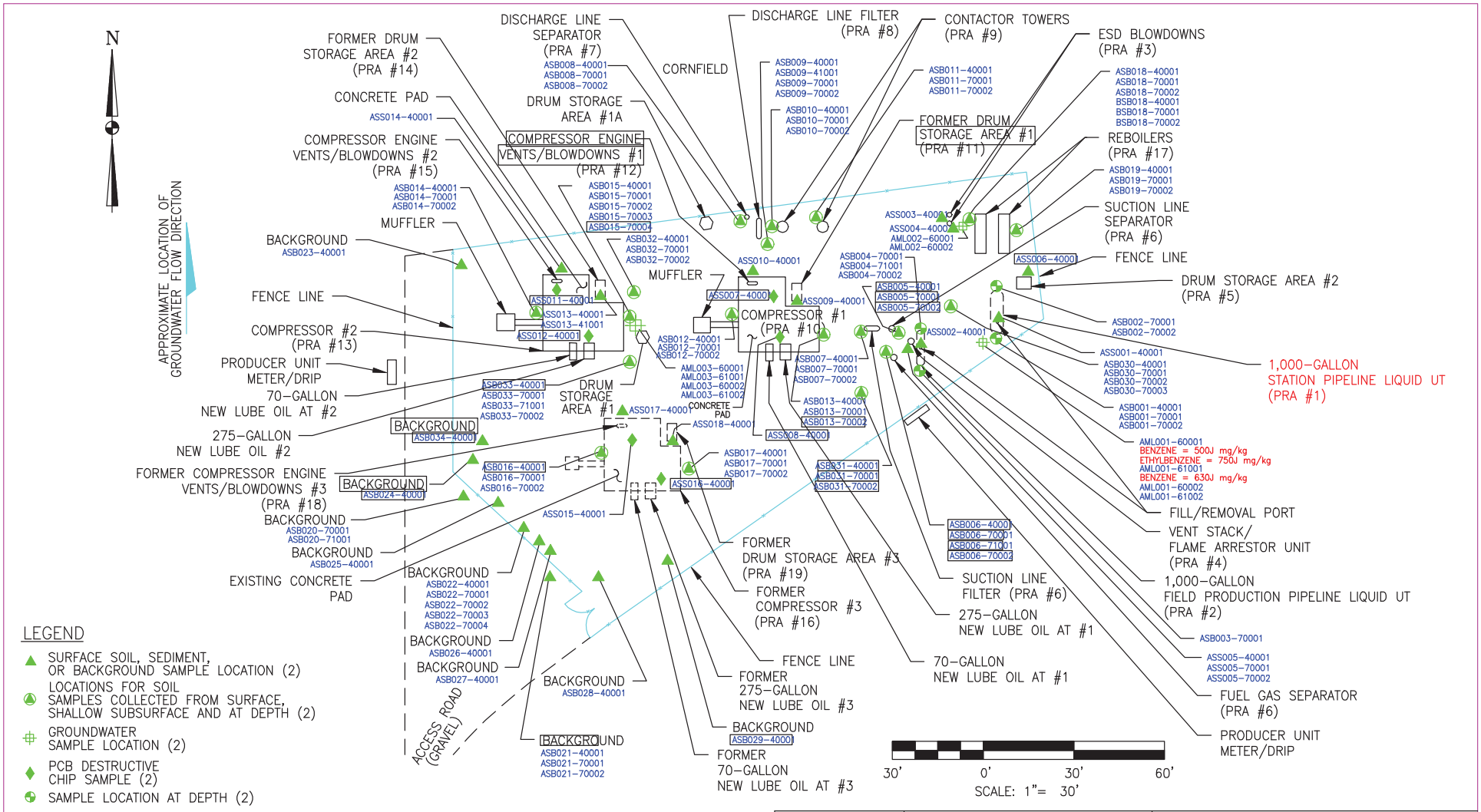
SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

COLUMBIA GAS TRANSMISSION

HOLMESVILLE COMPRESSOR STATION
HOLMES COUNTY, OHIO
SITE GEOLOGY AND SOILS MAP

DRAWING NAME: FIGURE 2-1
REV. 0

Plot: PGIGLER 10/23/2000 15:13 G:\col_gas\CWP\990031\HOV\990031b02.dwg



NOTES:

1. GROUNDWATER FLOW DIRECTION IS NOT BASED ON THE COLLECTION OF FIELD DATA AND THUS MAY NOT REPRESENT ACTUAL FIELD CONDITIONS.
2. SAMPLING LOCATION DETAILS AND PARAMETERS ARE DESCRIBED ON TABLE 3-1.
3. THE FACILITY IDENTIFICATION PREFIX ("HOV") HAS BEEN OMITTED FROM THE SAMPLE IDENTIFICATION NUMBERS SHOWN.

DRAWN BY	SCI
DATE	
CHECKED BY	—
SET JOB NO.	990031
SET DWG FILE	99031b04.dwg
DRAWING SCALE	AS SHOWN

SE TECHNOLOGIES
98 Vanadium Road Bridgeville, PA 15017 (412) 221-1100

COLUMBIA GAS TRANSMISSION
HOLMESVILLE COMPRESSOR STATION
HOLMES COUNTY, OHIO
SAMPLE RESULTS WHICH EXCEED CALs AND/OR BACKGROUND

DRAWING NAME: FIGURE 4-2
REV. 0

Plot: PGIGLER 10/23/2000 15:25 G:\col_gas\CWP\990031\HOV\990031b04.dwg

APPENDIX C

SOIL BORING LOG FORMS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1500 - 1520

BORING NO.: SB001
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	Color	MATERIAL CLASSIFICATION	~~USCS or Rock Bro-Legend~~ H_2O	REMARKS
*					Orangish	Brown	CL-SILTY CLAY	DRY	
**					Orangish	Brown	CL-SILTY CLAY w/ sand	MOIST	
***					Orangish	Brown	SP-Sand w/ Gravel	Wet	
									OVM
						*	HOV-ASB001-40001	0-2'	17.3 ppm
						**	HOV-ASB001-70001	7'	156 ppm
						***	HOV-ASB001-70002 (1)	12'	209.3 ppm
							(1) PAHs ANALYZED		

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1600 - 1615

BORING NO.: SB002
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					Crumbish	Brown	CL-Silty Clay		STAINING
**									
					Grey +	Brown	CL-silty Clay		some gravel
									OVM
						*	HOV SB002 - 70001	7'	153.1 ppm
						**	HOV SB002 - 70002(1)	12'	11.1 ppm
								11'	30 ppm
								10'	59 ppm
								9'	150 ppm
							(1) PAHs ANALYZED		

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB003
PROJECT NO.: 990142 - HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 14:00

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					orange	Brown	CL-SILTY CLAY		BLACK STAIN
									OVM
						*	HOV-ASB003-70001	7'	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1430 - 1440

BORING NO.: SB004
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-kenness~~ H_2O	REMARKS
*						BROWN	CL-SANDY CLAY	MOIST	STAINING
**					Orange/	Brown	CL-CLAY	MOIST	
									OVM
						*	HOV-SB004-70001	7'	221.3 ppm
						**	HOV-SB004-70002 (1)	11-12	11.1 ppm
							(1) PAHs ANALYZED		

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB005
PROJECT NO.: 990142 - HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 11:40

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokenness H_2O	REMARKS
*					Brownish	GRAY	SL-SILTY CLAY	DRY	
**					BLACKISH	GRAY	SL-SILTY CLAY	DRY	
***					Orangish	Gray	SL-SILTY CLAY	MOIST	
									OVM
						*	HOV-SB005-40001	0-1	0.7 ppm
						**	HOV-SB005-70001	2-3	1.1 ppm
						***	HOV-SB005-70002	3-4	1.1 ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB006
PROJECT NO.: 990142 - HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 12:20

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*						Brown	SL - SILTY CLAY		
**						Brown	SL - SILTY CLAY		
***					Orange	Brown	SL - SILTY CLAY		
									OVM
						*	HOV-ASB006-40001	0-1	0
						**	HOV-ASB006-70001	2-3	0
						***	HOV-ASB006-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB007
PROJECT NO.: 990142-HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 13:00

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					Orange	Brown	SL-SILTY CLAY		
**					Orange	Brown	SL-SILTY CLAY		
***					Orange	Brown	SL-SILTY CLAY		
									OVM
						*	HOV-SB007-40001	0-1	0
						**	HOV-SB007-70001	2-3	0
						***	HOV-SB007-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: BARBARA FREY
WATER LEVEL DATA:
(Date, Time & Conditions): 17:30

BORING NO.: SB008
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Hardness~~ H_2O	REMARKS
*					Orange &	Brown	CL - Silty Clay w/ some gravel	DRY	
**					Orangish	Brown	CL - Silty Clay	MOIST	
***					Orangish	Brown	CL - Silty Clay	MOIST	
									OVM
						*	HOVASB008 - 40001	0-1	0
						**	HOVASB008 - 70001	2-3	0
						***	HOVASB008 - 70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142-HOV
DRILLER: (b) (4) [redacted] (b) (4)
FIELD GEOLOGIST: [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 900 - 920

BORING NO.: SB009 SP
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	Color	MATERIAL CLASSIFICATION	~~USCS or Rock Brokenness~~ H2O	REMARKS
*					DARK	BROWN	CL-SILTY CLAY	DRY	
**						BROWN	CL-SILTY CLAY	DRY	
***						BROWN	CL-SILTY CLAY	MOIST	OVM
						*	HOV-ASB009		1.1 ppm
									OVM
						*	HOV-ASB009-40001	0-1	1.1 ppm
						**	HOV-ASB009-70001	2-3	0 ppm
						***	HOV-ASB009-70002	3-4	0 ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 17:00

BORING NO.: SB010
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					DK.	Brown	CL- CLAY w/ Gravel, silt + SAND		
**					Orange	Brown	CL- Silty Clay		
***					Orange	Brown	CL-silty clay		
									OVM
						*	HOVASB010-40001	0-1	0
						**	HOVASB010-70001	2-3	0
						***	HOVASB010-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 9:30

BORING NO.: SB011
DATE: 8/17/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Brokenness~~ H2O	REMARKS
*					DARK	BROWN	CL-SILTY CLAY	DRY	
**						Orange	CL-SILTY CLAY	MOIST	
***						Orange	CL-SILTY CLAY	MOIST	OVM
						*	HOVASB011-40001	0-1	0
						**	HOV-ASB011-70001	2-3	0
						***	HOV-ASB011-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 945 -

BORING NO.: SB012
DATE: 8/18/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USGS ~~or Back Bro~~ ~~[illegible]~~ OVM	REMARKS
*						Brown	CL-silty clay	Moist	
**						Brown	CL-silty clay	Moist	gray hue
***						Brown	CL-silty clay	Moist	gray hue
									OVM
						*	HOVASB012-40001	0-1	.7 ppm
						**	HOVASB012-70001	2-3	0
						***	HOVASB012-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB013
PROJECT NO.: 990142-HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 13:30

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					BLACK/	Brown	CL-CLAY -		STAINING
**					Orangish	Brown	CL-CLAY		
***					Orangish	Brown	CL-CLAY		
									OVM
						*	HOV-SB013 - 40001	0-1	0
						**	HOV-SB013 - 70001	2-3	0
						***	HOV-SB013 - 70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1220

BORING NO.: SB014
DATE: 8/18/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-keness~~	REMARKS
*					Dk	Brown	CL-Silty Clay	Dry	
**						Brown	CL-Silty Clay	Dry	
***						Orange	CL-Silty Clay	Moist	
									OVM
						*	HOVASB014-40001	0-1	2.3 ppm
						**	HOVASB014-70001	2-3	1.5 ppm
						***	HOVASB014-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142-HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1300

BORING NO.: SB015
DATE: 8/18/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					DK	Brown	CL-Silty Clay		
**						Brown	CL-Silty Clay		
***						Brown	CL-Silty Clay		
****					GRAY	Brown	CL-Silty Clay		
*x5						Brown	SP-Sand w/Gravel		
						*	HOVASB015-40001	0-1	100 ppm
						**	HOVASB015-70001	2-3	38 ppm
						***	HOVASB015-70002	3-4	84 ppm
						****	HOVASB015-70003	6-7	474 ppm
						*x5	HOVASB015-70004	11-12	

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB016
PROJECT NO.: 990142-HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] -SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 10:00

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
	*					BLACK	CL-CLAY		STAINING
	**					BLACK	CL-CLAY		STAINING
	***					GRAY	CL-CLAY		
								depth	OVM
						*	HOV-ASB016-40001	0-1	13 ppm
						**	HOV-ASB016-70001	2-3	13 ppm
						***	HOV-ASB016-70002	3-4	9 ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB017
PROJECT NO.: 990142 - HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 10:40

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bra-keness~~ H_2O	REMARKS
*	*				Loose	BROWN	CL-CLAY	MOIST	w/Rocks
**	**					Brown	CL-CLAY	MOIST	BLACK STAIN
***						BLACK	CL-CLAY	MOIST	STAINED
									OVM
						*	HOV-ASB017-40001	0-1	1 ppm
						**	HOV-ASB017-40001	2-3	2 ppm
						***	HOV-ASB017-70002	3-4	9.5 ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB018
PROJECT NO.: 990142 - HOV
DATE: 8/17/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 16:40

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or ~~Rock Bra-kenes~~	REMARKS
*						Brown	CL-CLAY	MOIST	orange streaks
**						Brown	CL-silty clay	MOIST	orange streaks
***						Brown	CL-silty clay	MOIST	orange streaks
									OVM
						*	HOV ASB018-40001	0-1	0
						**	HOV ASB018-70001	2-3	0
						***	HOV ASB018-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB018 (2nd Boring new analytes)
PROJECT NO.: 990142 - HOV
DATE: 8/18/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1030

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					orangish	Brown	CL-silty clay		
**					dk	Brown	CL-silty clay		Staining
***					Orangeish	Brown	CL-silty clay		Staining
						*	HOVASB018-40001	0-1	0
						**	HOVASB018-70001	2-3	0
						***	HOVASB018-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB019
PROJECT NO: 990142-HOV
DATE: 8/18/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 930-950

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-keness~~	REMARKS
*					DK	Brown	CL-SILTY CLAY	MOIST	
**						Brown	CL-SILTY CLAY	MOIST	
***					Orange-	Brown	CL-SILTY CLAY	MOIST	
									OVM
						*	HOVASB019-40001	0-1	0
						**	HOVASB019-70001	2-3	0
						***	HOVASB019-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142-HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1400

BORING NO.: SB020
DATE: 8/18/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USGS ~~or Rock Bro-kenness~~ H_2O	REMARKS
*						Brown	SP-Sand w/ gravel	Wet	
									OVM
						*	HOVASB020-70001	11-12	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 13:10

BORING NO.: SB021
DATE: 8/19/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-kenness~~ H_2O	REMARKS
*					dk	Brown	CL - Silty Clay	Dry	
**					Brown	Orange	CL - Silty Clay	Dry	
***					Orange	Brown	CL - Silty Clay	Moist	
									OVM
						*	HOVASB021 - 40001	0-1	0
						**	HOVASB021 - 70001	2-3	0
						***	HOVASB021 - 70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1300-1310

BORING NO.: SB022
DATE: 8/19/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*					dk	Brown	CL-Silty Clay		
**					dk	Brown	CL-Silty Clay		
***					dk	Brown	CL - Silty Clay		
****						Brown	CL - Silty Clay		
*x5					Lt	Brown	CL-Clay		
						*	HOVASB022-40001	0-1	50 ppm
						**	HOVASB022-70001	2-3	154 ppm
						***	HOVASB022-70002	3-4	204 ppm
						****	HOVASB022-70003	5-6	42 ppm
						*x5	HOVASB022-70004	6-7	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB023
PROJECT NO.: 990147-HOV
DATE: 8/16/99
DRILLER: NO DRILLER-HAND AUGER-CLIFF STANDARD
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 14:00

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*	*					Brown	CL-Silty Clay		
								depth	OVM
						*	HOV-ASB023-40001	0-1	0.0ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION BORING NO.: SB024
PROJECT NO.: 990147-HOV DATE: 8/16/99
DRILLER: NO DRILLER-HAND AUGER-CLIFF STANDARD ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1415

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*	*					BROWN	SL- Silty Clay		
								depth	OVM
						*	HOVASB024-40001	0-1	0.0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION BORING NO.: SB025
PROJECT NO.: 990142-HOV DATE: 8/16/99
DRILLER: NO DRILLER: HAND AUGER CLIFF STANDARD ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1425

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bre-kanase~~ H_2O	REMARKS
*						Brown	MH-Silt w/some Clay	MOIST	
								depth	OVM
						*	HOVASB025-40001	0-1	0.0ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB026
PROJECT NO.: 990147-HOV
DATE: 8/16/99
DRILLER: NO DRILLER-HAND AUGER-CLIFF STANDARD
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 14:40

Sample No. & Type or RQD	Depth (ft) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*	N					Brown	CL-SILTY CLAY		
								depth	OVM
						*	HOVASB026-40001	0-1	0.0 ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION BORING NO.: SB027
PROJECT NO.: 990147-HOV DATE: 8/16/99
DRILLER: NO DRILLER-HAND AUGER-CLIFF STANDARD ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1450

Sample No. & Type or RQD	Depth (ft) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*	4-					BROWN	CL-SILTY CLAY		
								depth	OVM
						*	HOVASB027-40001	0-1	0 ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB028
PROJECT NO.: 990147-HOV
DATE: 8/16/99
DRILLER: NO DRILLER-HAND AUGER-CLIFF STANDARD
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1455

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*						BROWN	CL-Silty Clay		ROCKY
								depth	OVM
						*	HOVASB028-40001	0-1	0ppm

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION BORING NO.: SB029
PROJECT NO.: 990147-HOV DATE: 8/16/99
DRILLER: NO DRILLER-HAND AUGER-CLIFF STANDARD ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1500

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokeness	REMARKS
*						BROWN	CL-SILTY CLAY w/Light Brown Sand		
								depth	OVM
						*	HOV-ASB029 40001	0-1	0.0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB030
PROJECT NO.: 990142-HOV
DATE: 8/19/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 940

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-kenness~~ H_2O	REMARKS
*					Orange	Brown	CL-silty clay	Dry	
**						Brown	CL-silty clay	Moist	
***					Orange	Brown	CL-silty clay	Moist	
****					Orange	Brown	CL-silty clay	Moist	
									OVM
						*	HOVASB030-40001	0-1	0
						**	HOVASB030-70001	2-3	0
						***	HOVASB030-70002	3-4	0
						****	HOVASB030-70003	6-7	173 ppm
							(1) PAHs ANALYZED		

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
PROJECT NO.: 990142 - HOV
DRILLER: (b) (4) [redacted] - SUBSURFACE
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 10:45

BORING NO.: SB031
DATE: 8/19/99
ELEVATION:

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS or Rock Brokenness H_2O	REMARKS
*					Brown-	orange	CL-Silty Clay	Dry	
**						Brown	CL-Silty Clay	Moist	
***					Orange-	Brown	CL-Silty clay	Moist	
						*	HOVASB031-40001	0-1	0
						**	HOVASB031-70001	2-3	0
						***	HOVASB031-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB032
PROJECT NO.: 990142 - HOV
DATE: 8/19/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 12:00

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-kaness~~ H2O	REMARKS
*					Brown	Orange	CL - Silty Clay	Dry	
**					Brown	Orange	CL - Silty Clay	Moist	
***					Orange	Brown	CL - Silty Clay	Moist	
									OVM
						*	HOVASB032 - 40001	0-1	0
						**	HOVASB032 - 70001	2-3	0
						***	HOVASB032 - 70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB 033
PROJECT NO: 990142 - HOV
DATE: 8/19/99
DRILLER: (b) (4) [redacted] - SUBSURFACE
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 11:30

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	USCS ~~or Rock Bro-kenness~~ H_2O	REMARKS
*					Brown	orange	CL - Silty clay	Dry	
**						Brown	CL - sandy clay	MOIST	
***					Brown	Orange	CL - sandy clay	Moist	
									OVM
						*	HOVASB 033-40001	0-1	0
						**	HOVASB 033-70001	2-3	0
						***	HOVASB 033-70002	3-4	0

REMARKS

BORING LOG

PROJECT: HOLMESVILLE COMPRESSOR STATION
BORING NO.: SB034
PROJECT NO.: 990142-HOV
DATE: 8/23/99
DRILLER: HAND AUGER
ELEVATION:
FIELD GEOLOGIST: (b) (4) [redacted]
WATER LEVEL DATA:
(Date, Time & Conditions): 1210

Sample No. & Type or RQD	Depth (ft.) or Run No.	Blows, 6" or RQD (N)	Sample Recovery Sample length	Lithology Changes (Depth, ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density Consistency or Rock hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: MATERIAL CLASSIFICATION	~~USCS or Rock Bro-kenness~~ H_2O	REMARKS
*						Brown	CL-Silty Clay	MOIST	
* *									
						*	HOVASB034-40001	0-5	
						*	[illegible]		

REMARKS

APPENDIX H

BACKGROUND WORKSHEETS

CALCULATION OF ARSENIC BACKGROUND LEVELS

Note: Fourteen (14) background soil samples and one (1) duplicate background soil sample were collected.

Background Data for Arsenic:

HOV-ASB020-70001 & ASB020-71001	82.1 mg/kg[1]
HOV-ASB021-40001	13.6 mg/kg
HOV-ASB021-70001	18.2 mg/kg
HOV-ASB021-70002	16.3 mg/kg
HOV-ASB022-70003	20.4 mg/kg
HOV-ASB022-70004	13.6 mg/kg
HOV-ASB023-40001	16.5 mg/kg
HOV-ASB024-40001	14.7 mg/kg
HOV-ASB025-40001	14.6 mg/kg
HOV-ASB026-40001	14.4 mg/kg
HOV-ASB027-40001	16.6 mg/kg
HOV-ASB028-40001	10.1 mg/kg
HOV-ASB029-40001	43.2 mg/kg
HOV-ASB034-40001	12.6 mg/kg
Total =	**306.9 mg/kg**
Average =	**21.9 mg/kg x2**
Calculated Background Level =	**43.8 mg/kg**
Maximum Background =	**82.1 mg/kg**
Identified Site Background Concentration =	**82.1 mg/kg**

***NOTE:** **Calculations based on: "Data Collection and Evaluation, Human Health Risk Assessment Bulletin, No. 2., Supplemental Guidance to RAGs." Office of Technical Services, U.S. EPA Region IV, October 1996.**

[1] The average of ASB020-70001 (138 J mg/kg) and a field duplicate, ASB020-71001 (26.2 mg/kg).

CALCULATION OF BARIUM BACKGROUND LEVELS

Note: Fourteen (14) background soil samples and one (1) duplicate background soil sample were collected.

Background Data for Barium:

HOV-ASB020-70001 & ASB020-71001	48.1 mg/kg[1]
HOV-ASB021-40001	95.2 mg/kg
HOV-ASB021-70001	89.2 mg/kg
HOV-ASB021-70002	53.1 mg/kg
HOV-ASB022-70003	64.9 mg/kg
HOV-ASB022-70004	44.8 mg/kg
HOV-ASB023-40001	122.0 mg/kg
HOV-ASB024-40001	81.5 mg/kg
HOV-ASB025-40001	86.3 mg/kg
HOV-ASB026-40001	77.2 mg/kg
HOV-ASB027-40001	102.0 mg/kg
HOV-ASB028-40001	647.0 mg/kg
HOV-ASB029-40001	193.0 mg/kg
HOV-ASB034-40001	79.1 mg/kg
Total =	**1783.4 mg/kg**
Average =	**127.4 mg/kg x2**
Calculated Background Level =	**254.8 mg/kg**
Maximum Background =	**647.0 mg/kg**
Identified Site Background Concentration =	**647.0 mg/kg**

***NOTE: Calculations based on: "Data Collection and Evaluation, Human Health Risk Assessment Bulletin, No. 2., Supplemental Guidance to RAGs." Office of Technical Services, U.S. EPA Region IV, October 1996.**

[1] The average of ASB020-70001 (41.6 J mg/kg) and a field duplicate, ASB020-71001 (54.6 J mg/kg).

CALCULATION OF CADMIUM BACKGROUND LEVELS

Note: Fourteen (14) background soil samples and one (1) duplicate background soil sample were collected.

Background Data for Cadmium:

HOV-ASB020-70001 & ASB020-71001	1.07 mg/kg[1,2]
HOV-ASB021-40001	1.5 mg/kg
HOV-ASB021-70001	1.5 mg/kg
HOV-ASB021-70002	1.5 mg/kg
HOV-ASB022-70003	1.9 mg/kg
HOV-ASB022-70004	1.3 mg/kg
HOV-ASB023-40001	0.6 mg/kg[2]
HOV-ASB024-40001	0.6 mg/kg[2]
HOV-ASB025-40001	0.6 mg/kg[2]
HOV-ASB026-40001	0.6 mg/kg[2]
HOV-ASB027-40001	0.65 mg/kg[2]
HOV-ASB028-40001	0.6 mg/kg[2]
HOV-ASB029-40001	0.6 mg/kg[2]
HOV-ASB034-40001	1.2 mg/kg
Total =	**14.22 mg/kg**
Average =	**1.02 mg/kg x2**
Calculated Background Level =	**2.04 mg/kg**
Maximum Background =	**1.9 mg/kg**
Identified Site Background Concentration =	**2.04 mg/kg**

***NOTE: Calculations based on: "Data Collection and Evaluation, Human Health Risk Assessment Bulletin, No. 2., Supplemental Guidance to RAGs." Office of Technical Services, U.S. EPA Region IV, October 1996.**

[1] The average of ASB020-70001 (1.6 mg/kg) and a field duplicate, ASB020-71001 (1.1 u mg/kg).
[2] Cadmium was non-detected. One half (1/2) the detection limit is used.

CALCULATION OF CHROMIUM BACKGROUND LEVELS

Note: Fourteen (14) background soil samples and one (1) duplicate background soil sample were collected.

Background Data for Chromium:

HOV-ASB020-70001 & ASB020-71001	11.3 mg/kg[1]
HOV-ASB021-40001	9.9 mg/kg
HOV-ASB021-70001	12.5 mg/kg
HOV-ASB021-70002	11.0 mg/kg
HOV-ASB022-70003	14.1 mg/kg
HOV-ASB022-70004	10.5 mg/kg
HOV-ASB023-40001	12.3 mg/kg
HOV-ASB024-40001	10.8 mg/kg
HOV-ASB025-40001	11.5 mg/kg
HOV-ASB026-40001	10.3 mg/kg
HOV-ASB027-40001	13.0 mg/kg
HOV-ASB028-40001	8.0 mg/kg
HOV-ASB029-40001	12.5 mg/kg
HOV-ASB034-40001	9.2 mg/kg
Total =	**156.9 mg/kg**
Average =	**11.21 mg/kg x2**
Calculated Background Level =	**22.4 mg/kg**
Maximum Background =	**14.1 mg/kg**
Identified Site Background Concentration =	**22.4 mg/kg**

***NOTE:** **Calculations based on: "Data Collection and Evaluation, Human Health Risk Assessment Bulletin, No. 2., Supplemental Guidance to RAGs." Office of Technical Services, U.S. EPA Region IV, October 1996.**

[1] The average of ASB020-70001 (10.3 J mg/kg) and a field duplicate, ASB020-71001 (12.3 mg/kg).

CALCULATION OF LEAD BACKGROUND LEVELS

Note: Fourteen (14) background soil samples and one (1) duplicate background soil sample were collected.

Background Data for Lead:

HOV-ASB020-70001 & ASB020-71001	37.57 mg/kg[1,2]
HOV-ASB021-40001	12.5 mg/kg[2]
HOV-ASB021-70001	12.45 mg/kg[2]
HOV-ASB021-70002	12.05 mg/kg[2]
HOV-ASB022-70003	12.65 mg/kg[2]
HOV-ASB022-70004	12.35 mg/kg[2]
HOV-ASB023-40001	12.0 mg/kg[2]
HOV-ASB024-40001	11.95 mg/kg[2]
HOV-ASB025-40001	12.05 mg/kg[2]
HOV-ASB026-40001	11.95 mg/kg[2]
HOV-ASB027-40001	12.8 mg/kg[2]
HOV-ASB028-40001	11.55 mg/kg[2]
HOV-ASB029-40001	25.7 mg/kg
HOV-ASB034-40001	11.6 mg/kg[2]
Total =	**208.72 mg/kg**
Average =	**14.91 mg/kg x2**
Calculated Background Level =	**29.82 mg/kg**
Maximum Background =	**37.57 mg/kg**
Identified Site Background Concentration =	**37.57 mg/kg**

***NOTE:** **Calculations based on: "Data Collection and Evaluation, Human Health Risk Assessment Bulletin, No. 2., Supplemental Guidance to RAGs." Office of Technical Services, U.S. EPA Region IV, October 1996.**

[1] The average of ASB020-70001 (63.7 J mg/kg) and a field duplicate, ASB020-71001 (11.45 mg/kg)[2].
[2] Lead was non-detected. One-half the detection limit is used.

CALCULATION OF NICKEL BACKGROUND LEVELS

Note: Fourteen (14) background soil samples and one (1) duplicate background soil sample were collected.

Background Data for Nickel:

HOV-ASB020-70001 & ASB020-71001	24.95 mg/kg[1]
HOV-ASB021-40001	15.9 mg/kg
HOV-ASB021-70001	17.1 mg/kg
HOV-ASB021-70002	15.0 mg/kg
HOV-ASB022-70003	18.8 mg/kg
HOV-ASB022-70004	13.4 mg/kg
HOV-ASB023-40001	17.5 mg/kg
HOV-ASB024-40001	14.4 mg/kg
HOV-ASB025-40001	15.9 mg/kg
HOV-ASB026-40001	13.5 mg/kg
HOV-ASB027-40001	17.7 mg/kg
HOV-ASB028-40001	13.0 mg/kg
HOV-ASB029-40001	32.6 mg/kg
HOV-ASB034-40001	12.7 mg/kg
Total =	**242.45 mg/kg**
Average =	**17.32 mg/kg x2**
Calculated Background Level =	**34.64 mg/kg**
Maximum Background =	**32.6 mg/kg**
Identified Site Background Concentration =	**34.64 mg/kg**

***NOTE: Calculations based on: "Data Collection and Evaluation, Human Health Risk Assessment Bulletin, No. 2., Supplemental Guidance to RAGs." Office of Technical Services, U.S. EPA Region IV, October 1996.**

[1] The average of ASB020-70001 (32.4 J mg/kg) and a field duplicate, ASB020-71001 (17.5 J- mg/kg).