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NYS-DEC
REGION 3-NEW PALTZ

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Date: March 8, 2000

To: Mr. Ramanand Pergadia, P.E.
NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561-1696

Re: Letter Report for Recent Site Field Work
Hangar D, Bay 1, Westchester County Airport, White Plains, NY
XDD Project No. 28034

Dear Mr. Pergadia:

The purpose of the following letter report is to summarize the recent field work conducted at the above referenced site (Site), which included the installation of three additional monitoring wells (MWs), collection of soil samples in the vicinity of MW-2 (former source area), and groundwater sampling at all of the site monitoring wells. The work was performed in accordance with the Workplan for Monitor Well Installation and Soil and Groundwater Sampling, submitted to the New York State Department of Environmental Conservation (NYSDEC) and dated October 12, 1999. The workplan was revised to reflect the action items identified in the September 24, 1999 meeting between NYSDEC, Mobil (now ExxonMobil) and XDD.

1.0 OBJECTIVES

The objectives of the additional monitoring well installations and soil and groundwater sampling were to:

- Investigate the possible presence of an upgradient VOC source that may be impacting groundwater under the former Mobil hangar (specifically in the vicinity of MW-1);
- Obtain background (i.e., non-impacted) water quality data if no source is found upgradient of MW-1;
- Evaluate possible impacted groundwater flow from the source area towards the East;
- Evaluate whether the source of VOCs in the soil within the "hot spot" area have been reduced, through the action of SVE and natural attenuation, to within TAGM standards (and to levels generally representative of the level of VOCs measured in the soil gas and groundwater in that area);

- Evaluate the degree of VOC impact in shallow bedrock downgradient of the apparent source area; and
- Collect an additional round of groundwater samples to further evaluate ongoing natural attenuation processes at the site.

This report will discuss the monitoring well installations, and the soil and groundwater sampling locations, procedures and results.

2.0 MONITORING WELL INSTALLATION

2.1 Overburden Wells

Overburden monitoring wells MW-5 and MW-6 were installed to evaluate upgradient and sidegradient groundwater quality, respectively. The well locations are indicated on Figure 1. Boring logs and well installation reports are attached as Appendix A.

MW-5 was installed upgradient of MW-1 (approximately 60 feet northeast of Hanger D Bay 1) to determine if there is an upgradient source for VOC contamination and/or to provide a location for uncontaminated (background) water quality data for the Site. MW-5 was drilled to a depth of 15 feet below grade (bg) using a solid stem auger method. Ten feet of 10-slot, 2-inch inner diameter (ID) PVC wellscreen was installed from 15 to 5 feet bg in a filter pack followed by a bentonite seal. The well was finished with a locking well cap and a 6-inch flushmount road box.

MW-6 was installed approximately 18 feet east of the front office wall of Hanger D (approximately 95 feet to the north of MW-3) to evaluate the potential existence of a groundwater flow component in the easterly direction across the site, and to evaluate possible contamination that may have migrated along the bedrock-overburden interface. MW-6 was drilled to a depth coincident with the bedrock interface, approximately 20 feet bg, using a solid stem auger method. Five feet of 10-slot, 2-inch ID PVC wellscreen was installed from 20 to 15 feet bg in a filter pack followed by a bentonite seal. The well was finished with a locking well cap and a 6-inch flushmount road box.

During the installation of both wells, soil samples were collected at approximately 5-foot intervals, beginning at 3 to 5 feet bg, using split spoon sampling techniques. The soil samples were visually classified and screened with a PID for total VOCs using the jar headspace method. The results of the field screening are presented on the boring logs in Appendix A..

Immediately after installation both wells were developed using a submersible pump until discharge from the wells was visually clear. The development water was drummed, labeled and stored on site for later disposal by ExxonMobil.

2.2 Bedrock Well

One bedrock monitoring well (MW-7) was installed to evaluate potential VOC impact in the shallow bedrock downgradient of the apparent source area. The well location is indicated on Figure 1. The boring log and well installation report is attached as Appendix A.

MW-7 was installed inside the Phillip Morris bay approximately 55 feet downgradient of MW-2 to a final depth of 25 feet bg using a casing and coring drilling method. First, a solid stem 4-inch auger was drilled to 12 feet bg, coincident with the bedrock interface (groundwater was not encountered above bedrock). A permanent 3-inch casing was then spun inside of the borehole to a depth of approximately 14.5 feet bg and was grouted in place (approximately 2-2.5 feet into bedrock). Once the grout was set, the hole was cored with a 2-inch ID core barrel to depth. Ten feet of 10-slot, 2-inch ID PVC wellscreen was installed from 25 to 15 feet bg in a filter pack followed by a bentonite seal. The well was finished with a locking well cap and a 6-inch flushmount road box.

During the installation of MW-7, two soil samples were collected in the overburden using split spoon sampling techniques. The soil samples were visually classified and screened with a PID for total VOCs using a jar headspace method. The results of the field screening are presented on the boring logs in Appendix A. The bedrock cores were collected and placed in a sample box for inspection. The upper portion of the cores indicated that the shallow bedrock was more fractured (approximately 4 fractures/foot) than the lower portion (approximately 1 fracture/foot).

Immediately after installation, the well was developed using a submersible pump until discharge from the well was visually clear. Developed water was drummed, labeled and stored on site for later disposal by ExxonMobil.

3.0 MW-2 AREA SOIL SAMPLING

In order to evaluate the current status of the VOC concentrations in the soil in the "hot spot" area, one soil boring (SB-101) was drilled adjacent to MW-2. Continuous split spoon sampling was conducted from the surface to bedrock (refusal at 16.5 feet bg). The soil samples were visually classified and screened with a PID for total VOCs using the jar headspace method. The results of the field screening are presented on the boring logs in Appendix A.

In addition, a composite soil sample was taken from each of the eight split spoon samples for laboratory analysis, which included VOCs (EPA Method 8260) and total petroleum hydrocarbons (TPH, EPA Method 418.1 via GC). Samples were labeled, packed in ice and shipped to Lancaster Laboratories in Lancaster, PA.

Low levels (below TAGM standards) of tetrachloroethene (PCE) were detected in 6 of the 8 samples. Other compounds, mainly degradation daughter products of PCE, were detected in 4 of the 8 samples. There was one compound in one of the samples that exceeded the NYSDEC TAGM Guidelines: 1,1-dichloroethane (11DCA) at a sampling interval of 10.5 to 12.5 feet bg (in the capillary fringe, just above the water table) was measured at 340 micrograms per Kilogram (ug/Kg); the Guideline for this compound is 200 ug/Kg. In general, the highest concentrations were detected at the groundwater table interface. TPH was not detected in any of the samples. The results of the soil sampling are presented in Table 1. The laboratory report is presented in Appendix B.

Because the highest concentration of 11DCA in the soil is in the capillary fringe just above the water table, it is possible that this detection results from the observed groundwater concentration of 11DCA at MW-2. To evaluate this possibility, the soil concentration that would result from the current groundwater concentration was calculated using the fraction of organic carbon (foc) content in the soil. The foc was estimated based on organic carbon analyses conducted during the RI in 1996. The calculation (presented in Appendix C) estimated that for a 11DCA groundwater concentration of 2,700 micrograms per Liter (ug/L) (current 11DCA concentration at MW-2) and a foc of 0.01 (1%), the corresponding 11DCA soil concentration would be approximately 1,215 ug/Kg. Therefore, the observed concentration of 340 ug/Kg can be fully explained by partitioning from the groundwater to the soil.

4.0 GROUNDWATER SAMPLING

Groundwater sampling was conducted at all of the Site monitoring wells on November 22-23, 1999 to evaluate ongoing natural attenuation processes at the Site. The sampling was conducted using low flow sampling techniques (as described in the Workplan) ten days after the installation and development of MW-5, -6 and -7. Following the stabilization of the field parameters, groundwater samples were collected for laboratory analysis, which included dissolved gases (EPA Method 8010/8020 for methane, ethane and ethene) and VOCs (EPA Method 8260). Samples were labeled, packed in ice and shipped to Lancaster Laboratories in Lancaster, PA.

During this sampling event, dissolved oxygen (DO) levels were less than 1 milligram per liter (mg/L) and oxidation-reduction potential (ORP) ranged from -105 to -251 millivolts (mV), indicating a reduced geochemistry state, which is amenable to anaerobic reductive dechlorination processes. The field measurements are presented in Table 2.

VOC concentrations (including historical data) are presented in Table 3. VOC concentrations were relatively consistent with previous sampling events with respect to compounds detected and their corresponding concentrations, with the exception of MW-4.

A primary line of evidence in support of effective natural attenuation processes is a stable or shrinking VOC plume. At MW-4, the most downgradient well, VOC concentrations continue to decrease, suggesting that the plume is receding. In addition, the VOC concentrations at MW-4 are within NYSDEC standards, indicating that these natural attenuation processes are providing mitigation of significant migration of VOCs from the source area.

VOCs were not detected in MW-5 and MW-6, thereby providing plume delineation in the upgradient and sidegradient (easterly) directions. VOCs, similar to those detected at MW-2, were detected in MW-7, including degradation breakdown products, which are indicative of ongoing reductive dechlorination processes. The laboratory report is presented in Appendix B.

On January 29, 2000, MW-7 was resampled to confirm the previous results and to investigate any obvious changes in VOC concentrations with depth (particularly with regard to the potential for higher concentrations at the lower portion of the well)¹.

All sampling was conducted using low flow sampling techniques with the objective of minimizing water table drawdown during the sampling (flowrates ranged between 150 and 250 milliliters per minute, mL/min). First, the pump inlet was placed at approximately 1 foot above the bottom of the well (24 feet bg) and sampled until the field parameters stabilized. Once the field parameters stabilized, laboratory samples for dissolved gases and VOC analyses were collected. The pump was removed and a clean pump was placed in the upper portion of the well (approximately 17 feet bg), and the same sampling process was conducted. Next, the well was purged at a higher flowrate (approximately 1,500 mL/min) for approximately 3 well volumes. Following the purge, the well was allowed to stabilize with respect to water table elevation, and then the sampling at the two depths was repeated as described above.

The field measurements were relatively similar between the four samples; DO levels were less than 1 mg/L and ORP ranged from +4 to -9 mV. With the exception of ORP and pH, the values were also similar to the previous sampling at MW-7. The MW-7 field measurements, including a comparison to the previous sampling, are presented in Table 4.

VOC concentrations were consistent between the four samples, with the previous sampling at MW-7. The MW-7 laboratory results, including a comparison to the previous sampling, are presented in Table 5. The laboratory report is presented in Appendix B.

An analysis was performed to determine if the VOC contamination in MW-7 was consistent with what would be expected in an overburden monitoring well the same distance downgradient from the source area (such an overburden well does not exist). Because the major VOC detected in the groundwater samples was 1,1-dichloroethane (11DCA), it was

¹ Note that Mobil and XDD understand that the use of this data is limited in that this bedrock well is installed with a filter pack that extends the entire length of the wellscreen.

selected as the parameter to be modeled for this analysis. As presented in the "Supplemental Data Collection Report", dated October 7, 1997, the Bioscreen half-life result for 11DCA is 1 year. Using the same values as the previous modeling for the required parameters, Bioscreen was utilized to predict the 11DCA concentration versus distance from the source. The results were then compared to current 11DCA concentrations at MW-2 and MW-4 to verify that the half-life is representative of the current site conditions.

Results of the current Bioscreen modeling indicate that at a distance of 55 feet downgradient of MW-2 (which is the approximate location of MW-7), the 11DCA concentration would be expected to be approximately 1,200 ug/L in the overburden. The 11DCA concentration at MW-7 (bedrock) was detected at approximately 1,300 ug/L, which is in general agreement with the Bioscreen projection. The Bioscreen output for this evaluation is presented in Appendix D.

The combination of the physical condition of the shallow bedrock (e.g., significant shallow fractures) and the similar concentrations between the projected overburden and the measured bedrock suggest that the shallow bedrock is behaving similar to the overburden with respect to VOC migration and natural attenuation. The results of this analysis do not suggest that a VOC source (i.e., dense non-aqueous phase liquid or DNAPL) exists in the bedrock.

5.0 CONCLUSIONS

Several conclusions were made with respect to the program objectives, based on the results of the most recent field work at the Site.

- Investigation upgradient of MW-1 (specifically in the vicinity of MW-5) did not locate the presence of a VOC source that is impacting groundwater under the former Mobil hangar.
- The laboratory results at MW-5 and MW-6 indicate non-detectable levels of VOCs (i.e., not impacted); therefore the wells provide upgradient and sidegradient plume delineation.
- The VOC results indicate the lack of any contaminant migration in the overburden from the source area in an easterly direction.
- Results of soil sampling in hot spot area indicate that soil VOC levels are below TAGM standards with the exception of one constituent in one sample.
- The one sample above TAGM standards was collected within the capillary fringe; however, an analysis of the soil concentrations shows that the VOCs likely result from partitioning from the impacted groundwater.

- VOCs were detected in the shallow bedrock (MW-7), 55 feet downgradient of MW-2. Based on the Bioscreen modeling, the VOC concentrations detected in the shallow bedrock are similar to that which would be expected in the overburden therefore indicating that no significant source of VOCs are present in the shallow bedrock in the source area. In conjunction with the fractured condition of the shallow bedrock, it appears that the overburden and the shallow bedrock are behaving similarly with respect to VOCs and natural attenuation processes.
- Results of the most recent groundwater sampling event indicate that reductive dechlorination is ongoing and the redox conditions of the groundwater environment are suitable to sustain further natural attenuation processes at the Site.
- Additionally, the consistent decrease in VOC concentrations at MW-4 (now below TAGM standards) indicates that the plume continues to recede, as would be expected in the presence of effective ongoing natural attenuation processes.

Should you have any questions regarding the contents of this submittal, please feel free to contact Greg Hill of ExxonMobil Remediation at (908) 474-2546.

Sincerely,
XDD, LLC



Annette Lee
Project Manager

cc: B. Anders Carlson, NYSDH (2 copies)
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Table 1

Laboratory Analytical Data for SB-101 Soil Samples

Westchester County Airport - Hangar D
Westchester County, NY

Date Collected: November 8, 1999

Sample Depth (feet bg)*	SB101 0.5-2.5	SB101 2.5-4.5	SB101 4.5-6.5	SB101 6.5-8.5	SB101 8.5-10.5	SB101 10.5-12.5	SB101 12.5-14.5	SB101 14.5-16.5	Trip Blank(1)	NYSDEC(2) Standards
VOCs (ug/Kg, dry weight)										
Chloromethane	2U	2U	2U	2U	2U	2U	3U	3U	3U	-
Vinyl Chloride	2U	2U	2U	2U	2U	2U	3U	3U	2U	120
Bromomethane	3U	3U	3U	4U	3U	3U	4U	4U	3U	-
Chloroethane	3U	3U	3U	4U	3U	133	26	34	3U	1,900
Trichlorofluoromethane	2U	2U	2U	2U	2U	2U	3U	3U	2U	-
Acrolein	22U	22U	23U	24U	22U	23U	26U	26U	40U	-
1,1-Dichloroethene	2U	2U	2U	2U	2U	12	5J	3U	1U	400
Methylene Chloride	2U	2U	2U	2U	2U	6	3J	3U	2U	100
Acrylonitrile	11U	11U	11U	12U	11U	11U	13U	13U	10U	-
trans-1,2-Dichloroethene	2U	2U	2U	2U	2U	8	8	3U	2U	-
1,1-Dichloroethane	1U	3J	1U	9	1U	340	74	49	2U	200
cis-1,2-Dichloroethene	2U	2U	2U	13	2U	400	400	39	2U	-
Chloroform	1U	1U	1U	1U	1U	1U	1U	1U	1U	300
1,2-Dichloroethane	2U	2U	2U	2U	2U	2U	3J	3U	2U	100
1,1,1-Trichloroethane	2J	4J	1U	1U	1U	21	3J	5J	1U	760
Carbon Tetrachloride	1U	1U	1U	1U	1U	1U	1U	1U	1U	600
Benzene	1U	1U	1U	1U	1U	1U	1U	1U	1U	60
Trichloroethene	1U	2J	1U	2J	1U	7	2J	4J	1U	700
1,2-Dichloropropane	3U	3U	3U	4U	3U	3U	4U	4U	1U	-
Bromodichloromethane	2U	2U	2U	2U	2U	2U	3U	3U	1U	-
2-Chloroethyl Vinyl Ether	2U	2U	2U	2U	2U	2U	3U	3U	2U	-
cis-1,3-Dichloropropene	1U	1U	1U	1U	1U	1U	1U	1U	1U	-
trans-1,3-Dichloropropene	1U	1U	1U	1U	1U	1U	1U	1U	1U	-
1,1,2-Trichloroethane	2U	2U	2U	2U	2U	2U	3U	3U	2U	-
Dibromochloromethane	1U	1U	1U	1U	1U	1U	1U	1U	2U	-
Bromoform	1U	1U	1U	1U	1U	1U	1U	1U	1U	-
Toluene	1U	1U	1U	1U	1U	2J	2J	1U	2U	1,500
Tetrachloroethene	43	100	9	85	1J	37	8	1J	1U	1,400
Chlorobenzene	1U	1U	1U	1U	1U	1U	1U	1U	1U	1,700
Ethylbenzene	1U	1U	1U	1U	1U	1U	1U	1U	2U	5,500
Xylene (Total)	1U	1U	1U	1U	1U	1U	1U	1U	1U	1,200
1,1,2,2-Tetrachloroethane	1U	1U	1U	1U	1U	1U	1U	1U	2U	600
Methyl t-butyl ether	1U	1U	1U	1U	1U	1U	1U	1U	2U	-
TPH (mg/L) (3)	U	U	10J	U	U	U	U	U	NA	-

Notes: Positive detections are in **BOLD**.

- * GW depth measured at approximately 12.0 feet below grade in MW-2.
- (1) Trip blank was an aqueous sample.
- (2) NYSDEC TAGM Guidelines for allowable soil concentrations.
- (3) Analytical compounds and detection levels are included in laboratory report (Appendix B).

U not detected (# preceding U indicates detection limit)

J estimated concentration

Value exceeds NYSDEC TAGM guidelines

NA not analyzed

- no published standard

Table 2

Summary of Field Groundwater Measurements

Westchester County Airport - Hangar D Westchester County, NY

Parameters	MW-1				MW-2			
	07/24/97	12/16/97	08/12/98	11/23/99	07/24/97	12/16/97	08/12/98	11/23/99
Date Sampled								
Depth to Water (ft)	8.70	8.15	8.83	9.73	12.01	12.03	12.00	12.75
Depth to Bottom (ft)	13.30	13.26	13.80	NM	15.95	16.01	NM	NM
pH	6.36	6.32	7.09	5.83	6.57	6.44	6.8	5.67
Temperature (degrees C)	20.2	20.7	21.1	15.8	19.5	19.0	20.7	18.4
Redox Potential (mV)	-38	-99	-92	-109	-21	-69	-71	-121
Conductivity (uS/cm)	214	209	216	269	240	375	508	290
Turbidity (NTU)	9	3	3	7	46	2	17	3
Dissolved Oxygen (mg/l)	0.8	0.7	NM	0.1	1.8	0.2	0.4	0.1

Parameters	MW-3				MW-4			
	07/24/97	12/16/97	08/12/98	11/22/99	07/24/97	12/16/97	08/12/98	11/22/99
Date Sampled								
Depth to Water (ft)	12.36*	12.34	12.50	13.51	12.70	12.01	11.70	14.73
Depth to Bottom (ft)	NM	17.91	18.00	NM	19.50	17.43	18.00	NM
pH	6.59	6.56	7.41	5.09	6.61	6.5	7.99	6.52
Temperature (degrees C)	20.0	19.6	20.6	17.9	19.9	18.7	19.5	16.0
Redox Potential (mV)	-54	-52	-74	-105	-45	-83	-111	-251
Conductivity (uS/cm)	430	479	468	729	650	651	681	261
Turbidity (NTU)	41	73	15	27	26	21	41	10
Dissolved Oxygen (mg/l)	0.7	1.6	NM	0.1	1.9	0.6	NM	0.1

Parameters	MW-5	MW-6	MW-7
Date Sampled	11/22/99	11/22/99	11/22/99
Depth to Water (ft)	7.73	15.03	11.68
Depth to Bottom (ft)	NM	NM	NM
pH	5.68	5.22	5.20
Temperature (degrees C)	15.4	15.3	18.0
Redox Potential (mV)	-202	-80	-130
Conductivity (uS/cm)	261	554	366
Turbidity (NTU)	16	22	23
Dissolved Oxygen (mg/l)	0.1	0.3	0.1

Notes:

NM

not measured

*

Depth to Water measured on 7/23/97.

Table 3

Laboratory Analytical Data for Groundwater

Westchester County Airport - Hangar D
Westchester County, NY

Compound (1)	NYSDEC Standard	MW-1						MW-2					
		10/23/96	11/21/96	07/24/97	12/16/97	08/12/98	11/22/99	10/23/96	11/21/96	07/24/97	12/16/97**	08/12/98	11/22/99
Chloroethane	50	5U	8U	11	7	7	7	895	949	5,500	1,500	1,600	2,200
1,1-Dichloroethane	5	220	160	220	180	170	140	1,980	1,500	5,800	1,800	1,800	2,700
1,1-Dichloroethene	5	23	12	20	18	24	18	89	58	190	84	78	150
1,2-Dichloroethane	-	5U	8U	2U	2U	2U	2U	10U	10U	10U	2U	3J	7J
trans-1,2-Dichloroethene	5	29	24	34	34	39	29	10U	10U	10U	4J	4J	11
cis-1,2-Dichloroethene	-	444	465	710	480	530	460	610	544	1,800	810	940	1,900
Methylene Chloride	5	5U	18*	12*	2U	2U	2U	10U	98*	29*	5	7*	12
Tetrachloroethene	5	135	79	21	50	59	33	76	59	64	52	49	41
1,1,1-Trichloroethane	5	31	24	17	19	17	19	802	835	580	340	340	610
Trichloroethene	5	36	28	19	22	23	42	61	47	19	26	65	220
Vinyl Chloride	2	13	8U	14	12	15	10	10U	10U	10U	3J	3J	4U
Total VOCs	-	931	792	1,066	822	884	758	4,513	3,991	13,953	4,617	4,872	7,844
Ethene	-	NA	NA	0.5U	1U	1U	1U	NA	NA	0.5U	1U	1U	1U
Ethane	-	NA	NA	0.7U	1U	1U	1U	NA	NA	0.7U	1U	1U	1U
Methane	-	NA	NA	7,700	8,000	8,200	6,800	NA	NA	1,400	2,300	1,900	1,400

Compound (1)	NYSDEC Standard	MW-3						MW-4					
		10/23/96	11/21/96	07/24/97	12/16/97	08/12/98	11/22/99	10/23/96	11/21/96	07/24/97	12/16/97	08/12/98	11/22/99
Chloroethane	50	7.3	7.1	7	3U	11	8	2.4	3.1	3U	3U	3J	4J
1,1-Dichloroethane	5	1.4	1.0	2U	2U	2J	2U	13.9	13.6	10	7	7	5J
1,1-Dichloroethene	5	0.2U	0.2U	1U	1U	1U	1U	1.3	1.2	1U	1U	1J	1U
1,2-Dichloroethane	-	0.2U	0.2U	2U	2U	2U	2U	0.2U	0.2U	2U	2U	2U	2U
trans-1,2-Dichloroethene	5	0.2U	0.2U	2U	2U	2U	2U	0.2U	0.2U	2U	2U	2U	2U
cis-1,2-Dichloroethene	-	2.0	2.0	2	2U	8	6	17.2	19.0	17	20	17	11
Methylene Chloride	5	0.2U	2.0*	2U	2U	2U	2U	0.2U	2.6*	2U	2U	2U	2U
Tetrachloroethene	5	0.2	0.3	1U	1U	1U	1U	0.2U	0.3	1U	1U	1U	1U
1,1,1-Trichloroethane	5	0.2U	0.2U	1U	1U	2U	1U	0.2U	0.2U	1U	1U	1U	1U
Trichloroethene	5	0.2U	0.2U	1U	1U	1U	1U	0.2U	0.2U	1U	1U	1U	1U
Vinyl Chloride	2	1.3	0.7	2U	2U	2U	2U	1.1	1.0	2U	2U	2U	2U
Total VOCs	-	12	11	9	-	19	14	36	38	27	27	24	11
Ethene	-	NA	NA	0.5U	1U	1U	1U	NA	NA	0.5U	1U	1U	1U
Ethane	-	NA	NA	0.7U	1U	1U	1U	NA	NA	0.7U	1U	1U	1U
Methane	-	NA	NA	7,800	4,100	10,000	9,300	NA	NA	8,600	10,000	10,000	14,000

Compound (1)	NYSDEC Standard	MW-5	MW-6	MW-7
		11/22/99	11/22/99	11/22/99
Chloroethane	50	3U	3U	170
1,1-Dichloroethane	5	2U	2U	1,300
1,1-Dichloroethene	5	1U	1U	280
1,2-Dichloroethane	-	2U	2U	3J
trans-1,2-Dichloroethene	5	2U	2U	4J
cis-1,2-Dichloroethene	-	2U	2U	560
Methylene Chloride	5	2U	2U	2J
Tetrachloroethene	5	1U	1U	130
1,1,1-Trichloroethane	5	1U	1U	800
Trichloroethene	5	1U	1U	290
Vinyl Chloride	2	2U	2U	3J
Total VOCs	-	U	U	3,530
Ethene	-	1U	1U	5J
Ethane	-	1U	1U	4J
Methane	-	9,600	14,000	1,500

Notes:

(1)

U

J

-

NA

*

**

Positive detections are in **BOLD**.

Samples were analyzed for all VOCs as per EPA Method 8260. Only those compounds with detections are listed. All concentrations are reported in ug/L.

not detected (# preceding U indicates laboratory detection limits)

estimated concentration

no published standard

not analyzed

Total VOCs do not include methylene chloride, which is presumed to be present due to laboratory procedures

Minimum detection limits for chloroethane, 1,1-dichloroethane, 1,1,1-trichloroethane and cis-1,2-dichloroethene were 100 ug/l for the sample collected at MW-2 on 12/16/97.

Table 4

Field Groundwater Measurements at MW-7

Westchester County Airport - Hangar D
Westchester County, NY

Parameter	MW-7	MW-7 (DEEP)*	MW-7 (SHALLOW)*	MW-7 (DEEP)**	MW-7 (SHALLOW)**
Date Sampled	11/22/99	1/28/00	1/28/00	1/28/00	1/28/00
Depth to Water (ft)	11.68	11.38	11.30	11.32	11.90
Pump Inlet (ft)	NM	24	17	24	17
Flow rate (ml/min)	NM	210	150	175	250
pH	5.20	6.23	6.24	6.08	6.04
Temperature (degrees C)	18.0	18.3	18.3	18.7	18.5
Redox Potential (mV)	-130	-9	-6	4	-5
Conductivity (uS/cm)	366	365	363	358	354
Turbidity (NTU)	23	390	3	190	46
Dissolved Oxygen (mg/l)	0.1	0.6	0.5	0.9	0.5

Notes:

* readings before purging
** readings after purging
NM not measured

Table 5

Laboratory Analytical Data at MW-7

Westchester County Airport - Hangar D
Westchester County, NY

Compound (1)	NYSDEC Standard	MW-7 11/22/99	MW-7 (DEEP)* 1/28/00	MW-7 (SHALLOW)* 1/28/00	MW-7 (DEEP)** 1/28/00	MW-7 (SHALLOW)** 1/28/00
Chloroethane	50	170	130	140	140	140
1,1-Dichloroethane	5	1,300	1,400	1,400	1,300	1,300
1,1-Dichloroethene	5	280	250	260	240	250
1,2-Dichloroethane	-	3J	3J	3J	3J	3J
trans-1,2-Dichloroethene	5	4J	2J	2J	2U	2J
cis-1,2-Dichloroethene	-	560	640	610	600	670
Methylene Chloride	5	2J	2U	2J	2U	2J
Tetrachloroethene	5	130	110	120	110	120
1,1,1-Trichloroethane	5	800	990	920	840	840
Trichloroethene	5	290	360	320	290	300
Vinyl Chloride	2	3J	3J	3J	3J	2U
Total VOCs	-	3,530	3,880	3,770	3,520	3,620
Ethene	-	5J	1U	1U	1U	1U
Ethane	-	4J	1U	1U	1U	1U
Methane	-	1,500	2,000	1,100	2,000	2,000

Notes:

(1)

* readings before purging

** readings after purging

DEEP Pump inlet at 24 feet below grade

SHALLOW Pump inlet at 17 feet below grade

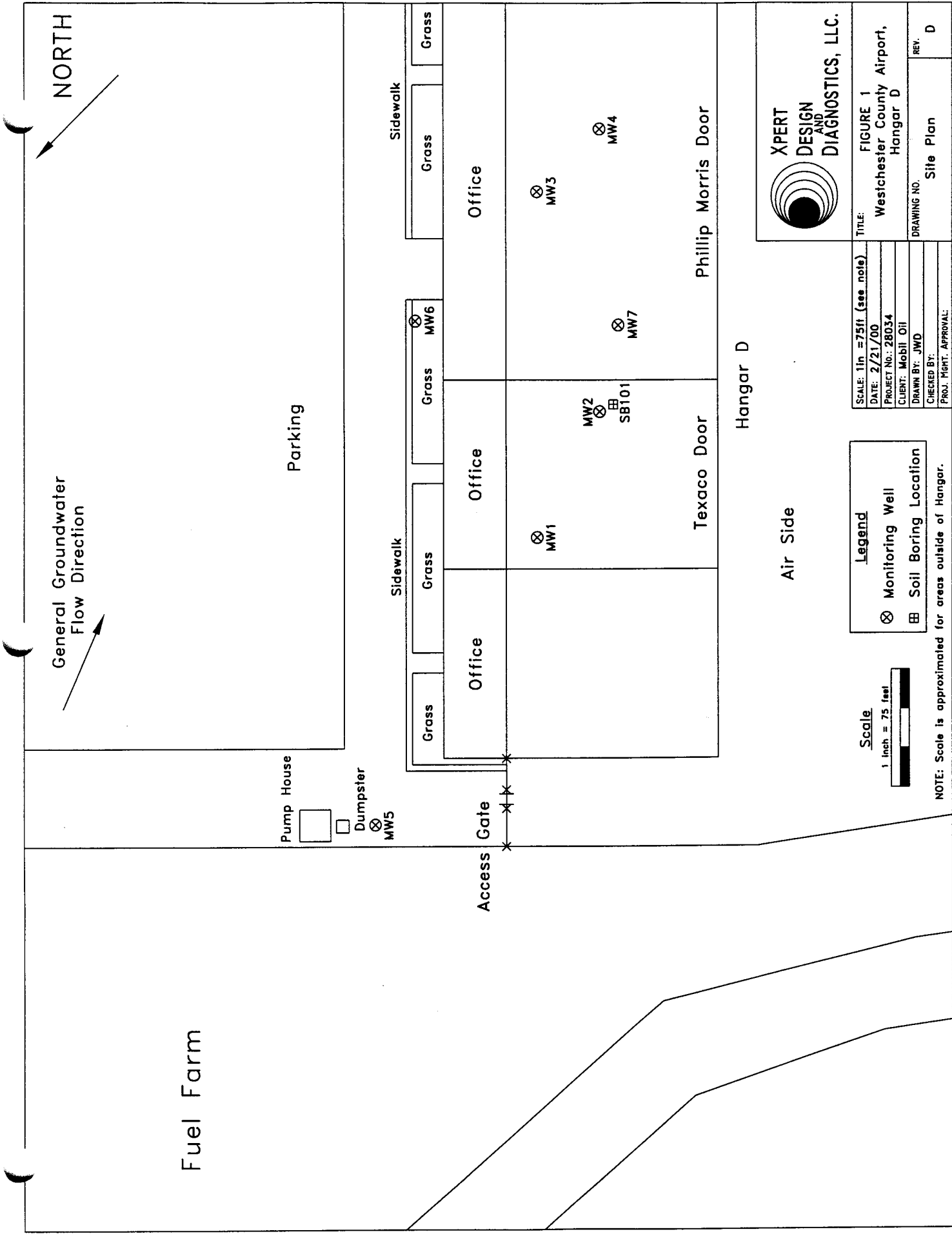
U not detected (# preceding U indicates detection limit)

J estimated concentration

- no published standard

Positive detections are in **BOLD**.

Samples were analyzed for all VOCs as per EPA Method 8260. Only those compounds with detections are listed. All concentrations are reported in ug/L.





**XPert
DESIGN
AND
DIAGNOSTICS, LLC.**

FIGURE 1

**Westchester County Airport,
Hangar D**

SCALE: 1in = 75ft (see note)	TITLE:
DATE: 2/21/00	FIGURE 1
PROJECT NO.: 28034	Westchester County Airport,
CLIENT: Mobil Oil	Hangar D
DRAWN BY: JWD	DRAWING NO.
CHECKED BY:	Site Plan
PROJ. MGMT. APPROVAL:	REV. D

Soil Boring Logs and Well Installation Reports

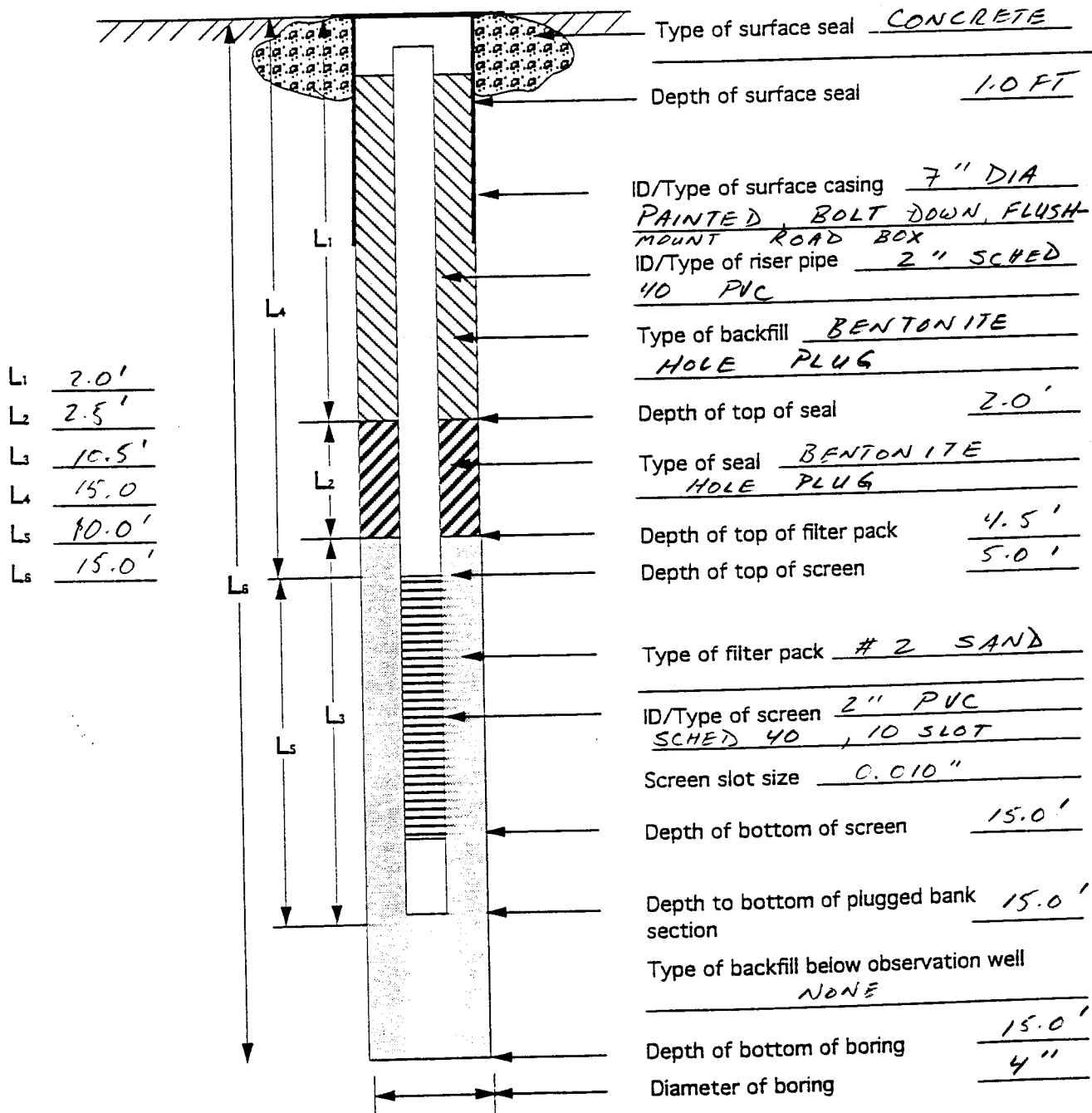
START: 11-10-99		FINISH: 11-10-99		BORING AND INSTALLATION LOG				
PROJECT: WESTCHIEF		PROJECT NO: MOBIL 28034		HOLE NO.: MWS				
DRILLER: NESC		BORING LOCATION: UPGRADEMENT OF MW1		WELL NO.: MWS				
DESCRIPTION: MONITOR WELL		DRILL RIG:						
DEPTH	FIELD NO.	BLOWS 6" PENETRATION	SAMPLE NUMBER	SAMPLE REC	PID ppm	MOISTURE CHANGE ELEV.	STRATA CHANGE ELEV.	SOIL IDENTIFICATION COLOR, GRADATION, TYPE, PHYSICAL OBSERVATIONS, VISUAL OBSERVATIONS
3.0	01	18"	ND					MED BROWN SAND, SOME SILT
5	02	20"	ND					FINE BROWN SAND, MOIST SOME SILT AND MED SIZE GRAVEL
10	03	20"	ND					WET SILTY ORGANIC MATERIAL, ORIGINAL CREEK BED WETLANDS
15								
METHOD OF INVESTIGATION: 4 1/4" SOLID STEM W/ SS SAMPLING								
INSTALLATION COMMENTS: 580-B W/ 10.2 eV								
FIELD ANALYSIS EQUIPMENT: SM								
INSPECTOR:								

GROUNDWATER OBSERVATION WELL REPORT

Project Name MOBIL WESTCHESTER
 Location WESTCHESTER COUNTY AIRPORT
 Installed by NEW ENGLAND BORING CONTRACTORS
 Inspected by STEVE MAGEE
 Method of Installation SOLID STEM AUGERS
 Remarks UP GRADIENT WELL LOCATED NEXT TO DUMPSTER. GW AT 7' 4" DURING INSTALLATION

Piez/Well No. MW 5
 Project No. 28-034
 Date 11-10-99
 Time AM

FLUSH MOUNT

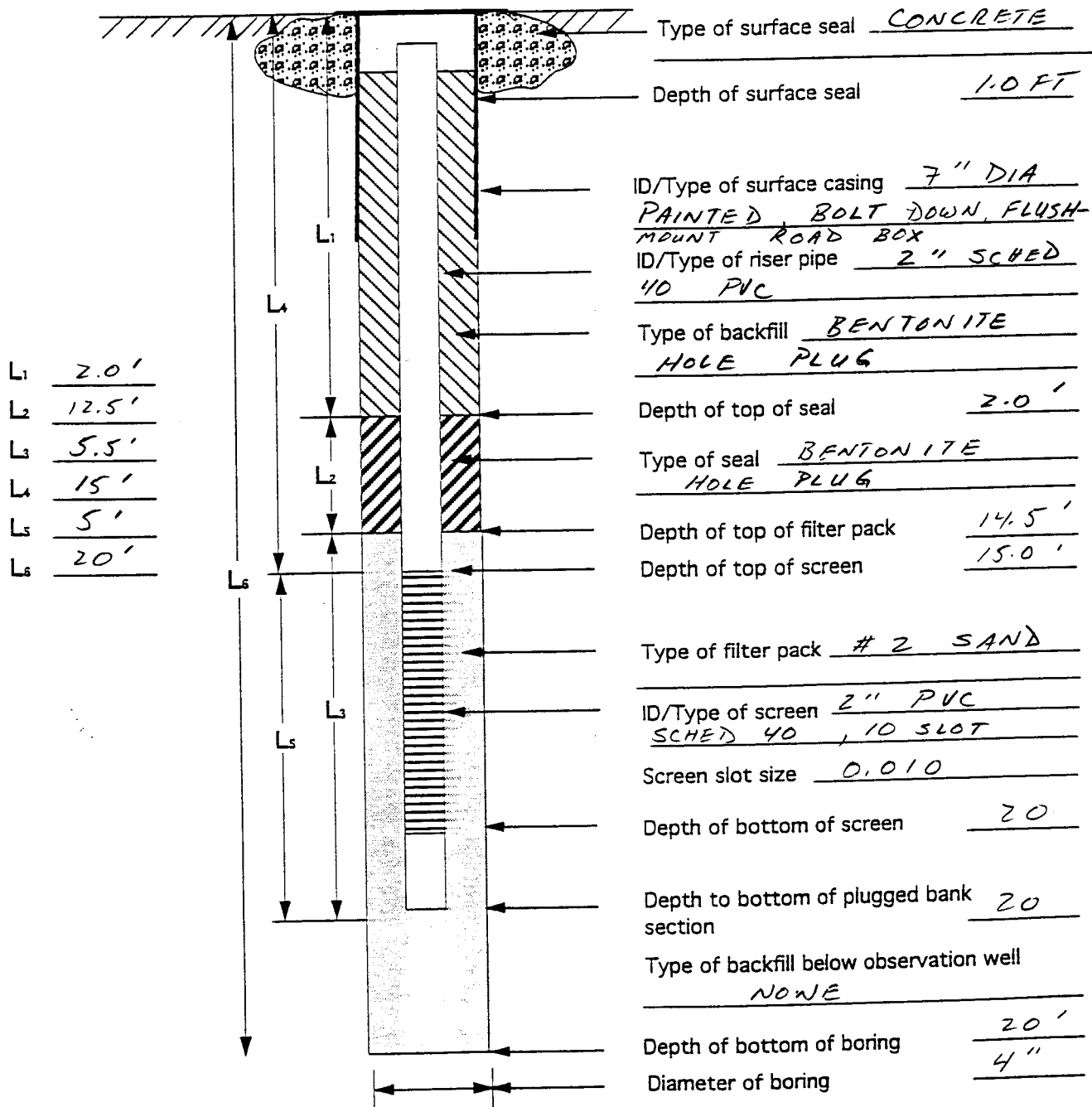


START: 11-9-99		BORING AND INSTALLATION LOG						
FINISH:		HOLE NO.: MW6						
DATE: 1 OF		WELL NO.: MW6						
PROJECT: WESTCHESTER COUNTY		BORING LOCATION: FRONT OF HANGAR BUILDING						
PROJECT NO: 2B 038		DESCRIPTION: MONITOR WELL						
DRILLER: NEBL		DRILL RIG:						
DEPTH	FIELD NO.	BLOWS 6" PENETRATION	SAMPLE NUMBER	SAMPLE REC	PID ppm	MOISTURE CHANGE ELEV.	STRATA CHANGE ELEV.	SOIL IDENTIFICATION COLOR, GRADATION, TYPE, PHYSICAL OBSERVATIONS, VISUAL OBSERVATIONS
0		6 12 18 24						
1								
2								
3	///		01	16" ND				med SANDS, some med GRAVEL
5'	///		02	12" ND				M-F BROWN SANDS
10'	///		03	10" ND				M-F BROWN SANDS. some sm. GRAVEL
15'	///		04	24 ND				WET. TIGHT SILTY MATERIAL WITH ORGANIC MATERIAL. APPEARS DRY TO TOUCH
								STANDING WATER @ 120'
METHOD OF INVESTIGATION: 4 1/4" HSA w/ SS SAMPLING								
INSTALLATION COMMENTS: OVM 580 - B								
FIELD ANALYSIS EQUIPMENT: SM								
INSPECTOR:								

GROUNDWATER OBSERVATION WELL REPORT

Project Name <u>MOBIL WESTCHESTER</u>	Piez/Well No. <u>MW 6</u>
Location <u>WESTCHESTER COUNTY AIRPORT</u>	Project No. <u>28-034</u>
Installed by <u>NEW ENGLAND BORING CONTRACTORS</u>	Date <u>11-10-99</u>
Inspected by <u>STEVE MAGEE</u>	Time <u>AM</u>
Method of Installation <u>SOLID STEM AUGERS</u>	
Remarks <u>MONITOR WELL INSTALLED IN OPEN HOLE</u> <u>SS SAMPLES COLLECTED AT 5' INTERVALS</u>	

FLUSH MOUNT



[illegible]

GROUNDWATER OBSERVATION WELL REPORT

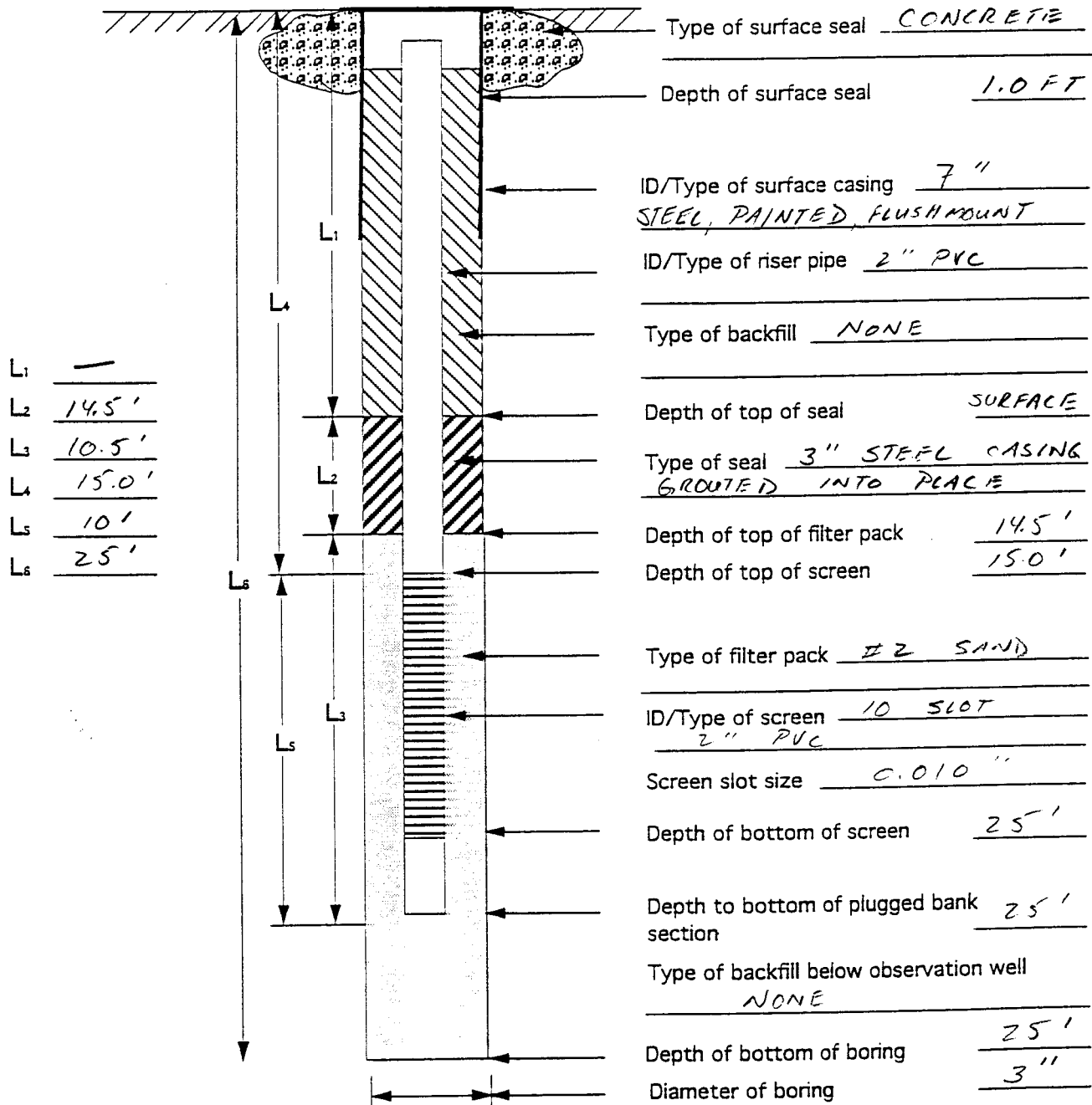
P. 1/2

Project Name MOBIL WESTCHESTER
 Location WESTCHESTER COUNTY AIRPORT
 Installed by NEW ENGLAND BORING CONTRACTORS
 Inspected by S. MAGEE
 Method of Installation ROCK CORING

Piez/Well No. MW7
 Project No. 28-034
 Date 11-10-99
 Time PM

Remarks 3" STEEL CASING CORED 2.0' INTO ROCK
AND GROUTED IN PLACE. 2" PVC SCREEN AND
RISER INSTALLED IN ROCK CORE TO PREVENT CAVE IN.
 (SEE ATTACHED DRAWING)

FLUSH MOUNT





XPERT
DESIGN
AND
DIAGNOSTICS, INC.

COMPUTATION SHEET

Page 2 of 2

Job # 28-034

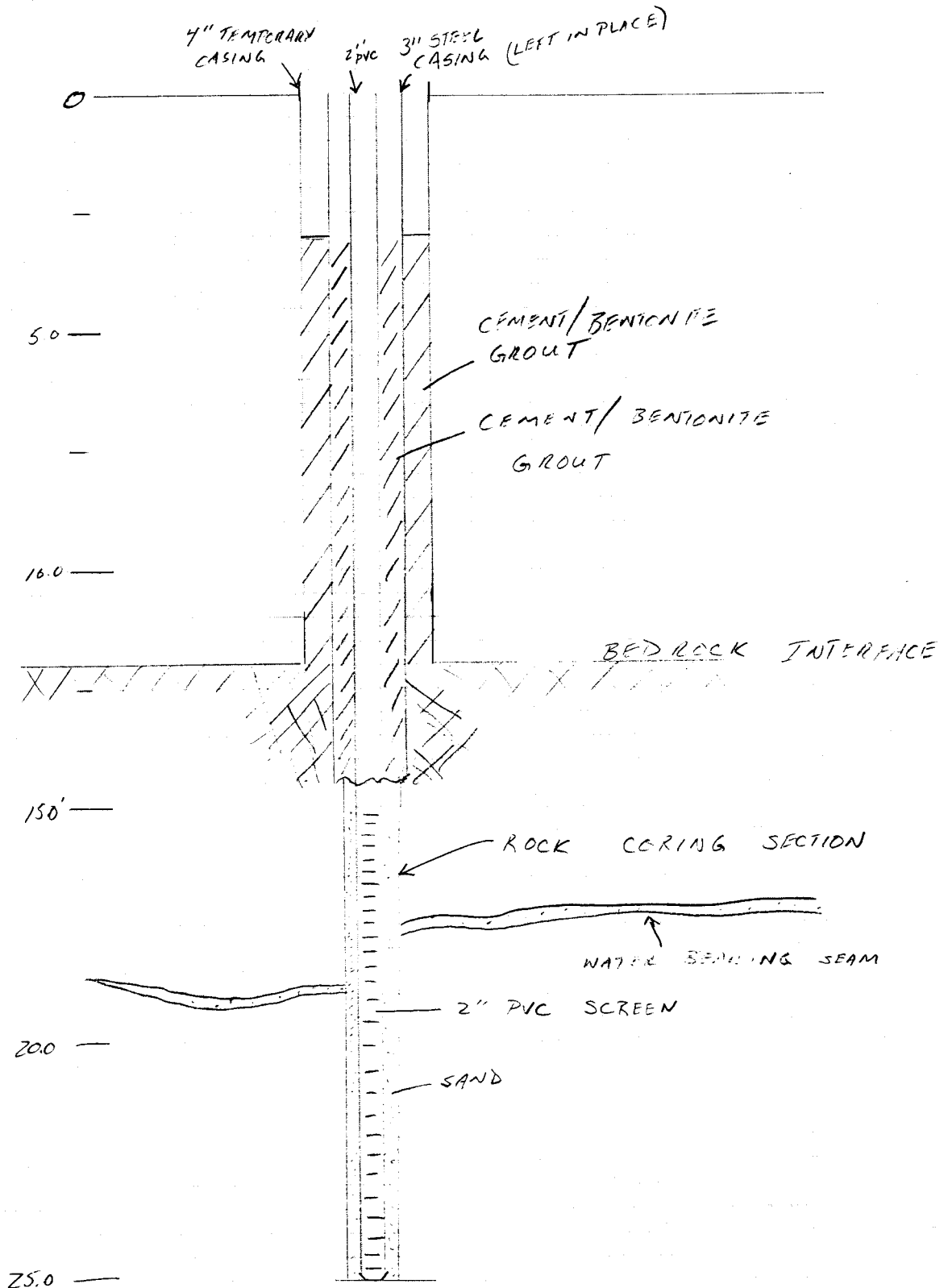
Client MOBIL

Site WEST CHESTER AIRPORT

Computed by SM Date 11-18-99

Description BEDROCK WELL - AS-BUILT

Checked by _____ Date _____



START: <u>13:30</u>		BORING AND INSTALLATION LOG
FINISH: _____		HOLE NO.: <u>SB101</u>
TT: <u>1</u> OF _____		WELL NO.: <u>NA</u>

PROJECT: <u>WESTCHESTER</u>	BORING LOCATION: <u>1' FROM MW 2</u>
PROJECT NO: <u>28-034</u>	DESCRIPTION: <u>SOIL BORING</u>
DRILLER: <u>NEBC</u>	DRILL RIG: _____

DEPTH	FIELD NO.	BLOWS 6" PENETRATION				SAMPLE NUMBER	SAMPLE REC	PID ppm	MOISTURE CHANGE ELEV.	STRATA CHANGE ELEV.	SOIL IDENTIFICATION COLOR, GRADATION, TYPE, PHYSICAL OBSERVATIONS, VISUAL OBSERVATIONS
		6	12	18	24						
											TOP SOIL w/ TRACE OF CLAY AND MED GRAVEL
25		7	8	10	8	01	24"	84			
50		7	8	13	13	02	20"	76			DARK BROWN SANDY SOIL w/ TRACE PEAGRAVEL.
60		12	14	27	24	03	19"	73			0-14" DK. BROWN SANDY SOIL.
65											14-19" SANDY GRAVEL. COULD BE WEATHERED ROCK.
75		17	18	29	18	04	19"	44			TIGHT DK BROWN, SILTY, LIGHT ODR.
100		16	11	8	6	05	14"	41			SAME AS ABOVE JUST BARELY MOIST. AT TIP
105											
125						06	14"	45			MOIST CLAY. ORGANICS JUST ABOVE CLAY.
145						07	16"	61			MOIST CLAY, ORGANICS
150											
165						08	16"	16			MOIST ORGANIC CLAY w/ 6" DRY WEATHERED ROCK.
175											

METHOD OF INVESTIGATION:	_____
INSTALLATION COMMENTS:	_____
FIELD ANALYSIS EQUIPMENT:	_____
INSPECTOR:	_____

Laboratory Analytical Reports

November 1999
Soil Analytical Data


LLI Sample No. SW 3269299

Collected: 11/08/99 at 13:35 by SM

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #1, SB 101 (0.5-2.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
7584	PPL + Xylene (total) by 8260					
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	2.
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	2.
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	3.
5447	Chloroethane	N.D.	3.	ug/kg	N.D.	3.
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	2.
7586	Acrolein	N.D.	20.	ug/kg	N.D.	22.
5449	1,1-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5450	Methylene Chloride	N.D.	2.	ug/kg	N.D.	2.
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	11.
5451	trans-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5452	1,1-Dichloroethane	N.D.	1.	ug/kg	N.D.	1.
5454	cis-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5455	Chloroform	N.D.	1.	ug/kg	N.D.	1.
5456	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	2.
5457	1,1,1-Trichloroethane	2.	J 1.	ug/kg	2.	J 1.
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.
5462	Trichloroethene	N.D.	1.	ug/kg	N.D.	1.
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	3.
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	2.
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	2.
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	2.
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.
5466	Toluene	N.D.	1.	ug/kg	N.D.	1.
5468	Tetrachloroethene	39.	1.	ug/kg	43.	1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.
0111	Moisture	10.1	0.50	% by wt.		
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.					

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 05:09:52 D 0001 10 130270 690944
 055 0.00 00025060 ASR000

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

 Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
 See reverse side for explanation of symbols and abbreviations.

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. SW 3269299

Collected: 11/08/99 at 13:35 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#1, SB 101 (0.5-2.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
5256	TPH by GC-FID (Soils)					
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	3.
4704	Gasoline	N.D.	3.	mg/kg	N.D.	3.
4705	Kerosene	N.D.	3.	mg/kg	N.D.	3.
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	3.
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	10.
5259	10W-40 Motor Oil	N.D.	10.	mg/kg	N.D.	10.
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
7584	PPL + Xylene (total) by 8260	Batch: E993191AC									
5444	Chloromethane										
2.	ug/kg	N.D.		154	108	35	91			47	143
5445	Vinyl Chloride										
2.	ug/kg	N.D.		154	112	31	91			64	129
5446	Bromomethane										
3.	ug/kg	N.D.		168	123	31	90			35	146
5447	Chloroethane										
3.	ug/kg	N.D.		168	121	33	89			29	148
5448	Trichlorofluoromethane										
2.	ug/kg	N.D.		178	145	20	93			30	160
7586	Acrolein										
20.	ug/kg	N.D.		72	34	72	128			36	147
5449	1,1-Dichloroethene										
2.	ug/kg	N.D.		177	130	31	98			68	154
5450	Methylene Chloride										
2.	ug/kg	N.D.		102	73	19	104			71	135
7587	Acrylonitrile										
10.	ug/kg	N.D.		111	73	42	98			71	130
5451	trans-1,2-Dichloroethene										
2.	ug/kg	N.D.		151	102	38	107			74	137
5452	1,1-Dichloroethane										

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBsLancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2661Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

2216 Rev. 3/23/99



Lancaster Laboratories
Where quality is a science.

LLI Sample No. SW 3269299

Collected: 11/08/99 at 13:35 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#1, SB 101 (0.5-2.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.

Rel.

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
5454	1.	ug/kg	N.D.		154	115	29	105			82	127
	cis-1,2-Dichloroethene											
5455	2.	ug/kg	N.D.		141	104	30	108			86	125
	Chloroform											
5461	1.	ug/kg	N.D.		148	127	16	108			82	121
	1,2-Dichloroethane											
5457	2.	ug/kg	N.D.		140	128	9	109			79	123
	1,1,1-Trichloroethane											
5458	1.	ug/kg	N.D.		159	138	14	103			81	130
	Carbon Tetrachloride											
5460	1.	ug/kg	N.D.		148	130	13	104			79	131
	Benzene											
5462	1.	ug/kg	N.D.		122	119	3	109			82	125
	Trichloroethene											
	1.	ug/kg	N.D.		141	104	30	104			84	130
	1,2-Dichloropropane											
5465	3.	ug/kg	N.D.		140	110	24	109			78	125
	Bromodichloromethane											
7585	2.	ug/kg	N.D.		155	119	26	111			82	120
	2-Chloroethyl Vinyl Ether											
6298	2.	ug/kg	N.D.		39	39	1	114			62	127
	cis-1,3-Dichloropropene											
6297	1.	ug/kg	N.D.		132	100	28	109			80	121
	trans-1,3-Dichloropropene											
5467	1.	ug/kg	N.D.		126	120	5	105			80	122
	1,1,2-Trichloroethane											
5470	2.	ug/kg	N.D.		131	129	2	109			83	122
	Dibromochloromethane											
5478	1.	ug/kg	N.D.		132	125	5	110			83	118
	Bromoform											
5466	1.	ug/kg	N.D.		108	99	9	115			75	122
	Toluene											
5468	1.	ug/kg	N.D.		151	127	18	103			84	125
	Tetrachloroethene											
5472	1.	ug/kg	N.D.		129	114	13	94			76	146
	Chlorobenzene											
5474	1.	ug/kg	N.D.		115	106	8	104			86	124
	Ethylbenzene											
6301	1.	ug/kg	N.D.		117	107	9	101			85	126
	Xylene (Total)											
	1.	ug/kg	N.D.		106	101	5	103			72	137

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

MEMBER
ACIL

Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2301

Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

2216 Rev. 3/23/99


LLI Sample No. SW 3269299

Collected: 11/08/99 at 13:35 by SM

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #1, SB 101 (0.5-2.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5480	1,1,2,2-Tetrachloroethane										
	1. ug/kg	N.D.		128	152	17	106			61	137
2016	Methyl t-butyl ether										
	1. ug/kg	N.D.		142	106	28	110			65	117
0111	Moisture	Batch: 993250091820003A									
	0.50 % by wt.		2				100	100	0	99	101
5256	TPH by GC-FID (Soils)	Batch: 993150013A J316									
5257	Mineral Spirits										
	3. mg/kg	N.D.									
4704	Gasoline										
	3. mg/kg	N.D.									
4705	Kerosene										
	3. mg/kg	N.D.									
5258	#2 Fuel			88	93	5	70			70	119
	3. mg/kg	N.D.									
5258	#6 Fuel Oil										
	10. mg/kg	N.D.									
5259	10W-40 Motor Oil										
	10. mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
5256 TPH by GC-FID (Soils)		Chlorobenz	58	50	120
		o-Terpheny	92	75	135
7584 PPL + Xylene (total) by 8260		DBFM	119	80	120
		d4-1,2-DCA	119	80	120
		d8-toluene	108	81	117
		4-BFB	106	74	121

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/17/99 1844	Bryan J. Polick
0111	Moisture	EPA 160.3 modified	1	11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1	11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1	11/12/99 1544	Robert G. Brown

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

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2216 Rev. 3/23/99



LLI Sample No. SW 3269300

Collected: 11/08/99 at 13:50 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#2, SB 101 (2.5-4.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
7584	PPL + Xylene (total) by 8260					
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	2.
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	2.
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	3.
5447	Chloroethane	N.D.	3.	ug/kg	N.D.	3.
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	2.
7586	Acrolein	N.D.	20.	ug/kg	N.D.	22.
5449	1,1-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5450	Methylene Chloride	N.D.	2.	ug/kg	N.D.	2.
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	11.
5451	trans-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5452	1,1-Dichloroethane	3.	J 1.	ug/kg	3.	J 1.
5454	cis-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
55	Chloroform	N.D.	1.	ug/kg	N.D.	1.
561	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	2.
5457	1,1,1-Trichloroethane	4.	J 1.	ug/kg	4.	J 1.
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.
5462	Trichloroethene	2.	J 1.	ug/kg	2.	J 1.
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	3.
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	2.
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	2.
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	2.
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.
5466	Toluene	N.D.	1.	ug/kg	N.D.	1.
5468	Tetrachloroethene	92.	1.	ug/kg	100.	1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.
0111	Moisture	9.70	0.50	% by wt.		
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.					

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
05:10:32 D 0001 10 130270 690944
055 0.00 00025060 ASR000Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
Where quality is a science.

LLI Sample No. SW 3269300

Collected: 11/08/99 at 13:50 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

#2, SB 101 (2.5-4.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
5256	TPH by GC-FID (Soils)					
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	3.
4704	Gasoline	N.D.	3.	mg/kg	N.D.	3.
4705	Kerosene	N.D.	3.	mg/kg	N.D.	3.
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	3.
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	10.
5259	10W-40 Motor Oil	N.D.	10.	mg/kg	N.D.	10.
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	HIGH
7584 PPL + Xylene (total) by 8260		Batch: E993191AC									
5444 Chloromethane											
2.	ug/kg	N.D.		154	108	35	91			47	143
5445 Vinyl Chloride											
2.	ug/kg	N.D.		154	112	31	91			64	129
5446 Bromomethane											
3.	ug/kg	N.D.		168	123	31	90			35	146
5447 Chloroethane											
3.	ug/kg	N.D.		168	121	33	89			29	148
5448 Trichlorofluoromethane											
2.	ug/kg	N.D.		178	145	20	93			30	160
7586 Acrolein											
20.	ug/kg	N.D.		72	34	72	128			36	147
5449 1,1-Dichloroethene											
2.	ug/kg	N.D.		177	130	31	98			68	154
5450 Methylene Chloride											
2.	ug/kg	N.D.		102	73	19	104			71	135
7587 Acrylonitrile											
10.	ug/kg	N.D.		111	73	42	98			71	130
5451 trans-1,2-Dichloroethene											
2.	ug/kg	N.D.		151	102	38	107			74	137
5452 1,1-Dichloroethane											

Questions? Contact your Client Services Representative
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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. SW 3269300

Collected: 11/08/99 at 13:50 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#2, SB 101 (2.5-4.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1.	ug/kg	N.D.		154	115	29	105			82	127
5454 cis-1,2-Dichloroethene											
2.	ug/kg	N.D.		141	104	30	108			86	125
5455 Chloroform											
1.	ug/kg	N.D.		148	127	16	108			82	121
5461 1,2-Dichloroethane											
2.	ug/kg	N.D.		140	128	9	109			79	123
5457 1,1,1-Trichloroethane											
1.	ug/kg	N.D.		159	138	14	103			81	130
5458 Carbon Tetrachloride											
1.	ug/kg	N.D.		148	130	13	104			79	131
5460 Benzene											
1.	ug/kg	N.D.		122	119	3	109			82	125
5462 Trichloroethene											
1.	ug/kg	N.D.		141	104	30	104			84	130
5463 1,2-Dichloropropane											
3.	ug/kg	N.D.		140	110	24	109			78	125
5465 Bromodichloromethane											
2.	ug/kg	N.D.		155	119	26	111			82	120
7585 2-Chloroethyl Vinyl Ether											
2.	ug/kg	N.D.		39	39	1	114			62	127
6298 cis-1,3-Dichloropropene											
1.	ug/kg	N.D.		132	100	28	109			80	121
6297 trans-1,3-Dichloropropene											
1.	ug/kg	N.D.		126	120	5	105			80	122
5467 1,1,2-Trichloroethane											
2.	ug/kg	N.D.		131	129	2	109			83	122
5470 Dibromochloromethane											
1.	ug/kg	N.D.		132	125	5	110			83	118
5478 Bromoform											
1.	ug/kg	N.D.		108	99	9	115			75	122
5466 Toluene											
1.	ug/kg	N.D.		151	127	18	103			84	125
5468 Tetrachloroethene											
1.	ug/kg	N.D.		129	114	13	94			76	146
5472 Chlorobenzene											
1.	ug/kg	N.D.		115	106	8	104			86	124
5474 Ethylbenzene											
1.	ug/kg	N.D.		117	107	9	101			85	126
6301 Xylene (Total)											
1.	ug/kg	N.D.		106	101	5	103			72	137

 Questions? Contact your Client Services Representative
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 Group Leader Pesticides/PCBs



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LLI Sample No. SW 3269300

Collected: 11/08/99 at 13:50 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

#2, SB 101 (2.5-4.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Ref.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5480	1,1,2,2-Tetrachloroethane										
1.	ug/kg	N.D.		128	152	17	106			61	137
2016	Methyl t-butyl ether										
1.	ug/kg	N.D.		142	106	28	110			65	117
0111	Moisture	Batch: 993250091820003A									
0.50	% by wt.		2				100	100	0	99	101
5256	TPH by GC-FID (Soils)	Batch: 993150013A J316									
5257	Mineral Spirits										
3.	mg/kg	N.D.									
4704	Gasoline										
3.	mg/kg	N.D.									
4705	Kerosene										
3.	mg/kg	N.D.									
4706	Diesel/#2 Fuel										
3.	mg/kg	N.D.		88	93	5	70			70	119
5258	#6 Fuel Oil										
10.	mg/kg	N.D.									
5259	10W-40 Motor Oil										
10.	mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
5256 TPH by GC-FID (Soils)		Chlorobenz	59	50	120
		o-Terpheny	91	75	135
7584 PPL + Xylene (total) by 8260		DBFM	120	80	120
		d4-1,2-DCA	117	80	120
		d8-toluene	107	81	117
		4-BFB	104	74	121

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/17/99 1920	Bryan J. Polick
0111	Moisture	EPA 160.3 modified	1	11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1	11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1	11/12/99 1958	Robert G. Brown

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2216 Rev. 3/23/99



LLI Sample No. SW 3269301

Collected: 11/08/99 at 14:00 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#3, SB 101 (4.5-6.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
7584	PPL + Xylene (total) by 8260					
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	2.
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	2.
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	3.
5447	Chloroethane	N.D.	3.	ug/kg	N.D.	3.
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	2.
7586	Acrolein	N.D.	20.	ug/kg	N.D.	23.
5449	1,1-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5450	Methylene Chloride	N.D.	2.	ug/kg	N.D.	2.
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	11.
5451	trans-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5452	1,1-Dichloroethane	N.D.	1.	ug/kg	N.D.	1.
5454	cis-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
455	Chloroform	N.D.	1.	ug/kg	N.D.	1.
61	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	2.
5457	1,1,1-Trichloroethane	N.D.	1.	ug/kg	N.D.	1.
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.
5462	Trichloroethene	N.D.	1.	ug/kg	N.D.	1.
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	3.
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	2.
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	2.
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	2.
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.
5466	Toluene	N.D.	1.	ug/kg	N.D.	1.
5468	Tetrachloroethene	8.	1.	ug/kg	9.	1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.
0111	Moisture	11.9	0.50	% by wt.		
	"Moisture" represents the loss in weight of the sample after oven drying at					
	103 - 105 degrees Celsius.					

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 05:11:05 D 0001 10 130270 690944
 055 0.00 00025060 ASR000



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 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

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Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



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LLI Sample No. SW 3269301

Collected: 11/08/99 at 14:00 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

#3, SB 101 (4.5-6.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	METHOD	DETECTION LIMIT UNITS	RESULTS	METHOD	DETECTION LIMIT
5256	TPH by GC-FID (Soils)						
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	3.	
4704	Gasoline	N.D.	3.	mg/kg	N.D.	3.	
4705	Kerosene	N.D.	3.	mg/kg	N.D.	3.	
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	3.	
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	10.	
5259	10W-40 Motor Oil	10. J	10.	mg/kg	10. J	10.	
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The GC Fingerprint for this sample consists of a weak area of unresolved peaks eluting in the general range of our 10W 40 motor oil reference standard. Differences in relative area ratios suggest that the product present in the sample may be a heavier weight lubricating oil fraction than our reference standard.							

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
7584 PPL + Xylene (total) by 8260		Batch: E993191AB									
5444 Chloromethane	2. ug/kg	N.D.		154	108	35	91			47	143
5445 Vinyl Chloride	2. ug/kg	N.D.		154	112	31	91			64	129
5446 Bromomethane	3. ug/kg	N.D.		168	123	31	90			35	146
5447 Chloroethane	3. ug/kg	N.D.		168	121	33	89			29	148
5448 Trichlorofluoromethane	2. ug/kg	N.D.		178	145	20	93			30	160
7586 Acrolein	20. ug/kg	N.D.		72	34	72	128			36	147
5449 1,1-Dichloroethene	2. ug/kg	N.D.		177	130	31	98			68	154
5450 Methylene Chloride	2. ug/kg	N.D.		102	73	19	104			71	135

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2216 Rev. 3/23/99



Lancaster Laboratories

Where quality is a science.

LLI Sample No. SW 3269301

Collected: 11/08/99 at 14:00 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#3, SB 101 (4.5-6.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Ref.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
7587 Acrylonitrile											
10. ug/kg		N.D.		111	73	42	98			71	130
5451 trans-1,2-Dichloroethene											
2. ug/kg		N.D.		151	102	38	107			74	137
5452 1,1-Dichloroethane											
1. ug/kg		N.D.		154	115	29	105			82	127
5454 cis-1,2-Dichloroethene											
2. ug/kg		N.D.		141	104	30	108			86	125
5455 Chloroform											
1. ug/kg		N.D.		148	127	16	108			82	121
5461 1,2-Dichloroethane											
2. ug/kg		N.D.		140	128	9	109			79	123
5457 1,1,1-Trichloroethane											
1. ug/kg		N.D.		159	138	14	103			81	130
5458 Carbon Tetrachloride											
1. ug/kg		N.D.		148	130	13	104			79	131
5462 Benzene											
1. ug/kg		N.D.		122	119	3	109			82	125
5462 Trichloroethene											
1. ug/kg		N.D.		141	104	30	104			84	130
5463 1,2-Dichloropropane											
3. ug/kg		N.D.		140	110	24	109			78	125
5465 Bromodichloromethane											
2. ug/kg		N.D.		155	119	26	111			82	120
7585 2-Chloroethyl Vinyl Ether											
2. ug/kg		N.D.		39	39	1	114			62	127
6298 cis-1,3-Dichloropropene											
1. ug/kg		N.D.		132	100	28	109			80	121
6297 trans-1,3-Dichloropropene											
1. ug/kg		N.D.		126	120	5	105			80	122
5467 1,1,2-Trichloroethane											
2. ug/kg		N.D.		131	129	2	109			83	122
5470 Dibromochloromethane											
1. ug/kg		N.D.		132	125	5	110			83	118
5478 Bromoform											
1. ug/kg		N.D.		108	99	9	115			75	122
5466 Toluene											
1. ug/kg		N.D.		151	127	18	103			84	125
5468 Tetrachloroethene											
1. ug/kg		N.D.		129	114	13	94			76	146
5472 Chlorobenzene											

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. SW 3269301

Collected: 11/08/99 at 14:00 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#3, SB 101 (4.5-6.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
1.	ug/kg	N.D.		115	106	8	104			86	124
5474 Ethylbenzene		N.D.		117	107	9	101			85	126
6301 Xylene (Total)		N.D.		106	101	5	103			72	137
5480 1,1,2,2-Tetrachloroethane		N.D.		128	152	17	106			61	137
2016 Methyl t-butyl ether		N.D.		142	106	28	110			65	117
0111 Moisture		Batch: 993250091820003A									
0.50	% by wt.		2				100	100	0	99	101

5256 TPH by GC-FID (Soils)		Batch: 993150013A J316									

5257 Mineral Spirits		N.D.									
3.	mg/kg	N.D.									
Gasoline		N.D.									
3.	mg/kg	N.D.									
4705 Kerosene		N.D.									
3.	mg/kg	N.D.									
4706 Diesel/#2 Fuel		N.D.		88	93	5	70			70	119
3.	mg/kg	N.D.									
5258 #6 Fuel Oil		N.D.									
10.	mg/kg	N.D.									
5259 10W-40 Motor Oil		N.D.									
10.	mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
5256 TPH by GC-FID (Soils)		Chlorobenz	54	LOW	HIGH
		o-Terpheny	84	50	120
		DBFM	120	75	135
7584 PPL + Xylene (total) by 8260		d4-1,2-DCA	117	80	120
		d8-toluene	110	80	120
		4-BFB	108	81	117
				74	121

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/16/99 1301	Michael E. McAdams

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBsLancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
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2216 Rev. 3/23/99



LLI Sample No. SW 3269301

Collected: 11/08/99 at 14:00 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#3, SB 101 (4.5-6.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL	ID DATE AND TIME	
0111	Moisture	EPA 160.3 modified	1	11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1	11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1	11/12/99 2047	Robert G. Brown

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. SW 3269302

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#4, SB 101 (6.5-8.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
7584	PPL + Xylene (total) by 8260					
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	2.
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	2.
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	4.
5447	Chloroethane	N.D.	3.	ug/kg	N.D.	4.
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	2.
7586	Acrolein	N.D.	20.	ug/kg	N.D.	24.
5449	1,1-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5450	Methylene Chloride	N.D.	2.	ug/kg	N.D.	2.
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	12.
5451	trans-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.
5452	1,1-Dichloroethane	8.	1.	ug/kg	9.	1.
5454	cis-1,2-Dichloroethene	11.	2.	ug/kg	13.	2.
5455	Chloroform	N.D.	1.	ug/kg	N.D.	1.
5456	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	2.
5457	1,1,1-Trichloroethane	N.D.	1.	ug/kg	N.D.	1.
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.
5462	Trichloroethene	1.	J 1.	ug/kg	2.	J 1.
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	4.
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	2.
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	2.
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	2.
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.
5466	Toluene	N.D.	1.	ug/kg	N.D.	1.
5468	Tetrachloroethene	70.	1.	ug/kg	85.	1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.
0111	Moisture	16.9	0.50	% by wt.		
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.					

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 05:11:33 D 0001 10 130270 690944
 055 0.00 00025060 ASR000



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 2425 New Holland Pike
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Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



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Where quality is a science.

LLI Sample No. SW 3269302

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

#4, SB 101 (6.5-8.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
5256	TPH by GC-FID (Soils)					
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	4.
4704	Gasoline	N.D.	3.	mg/kg	N.D.	4.
4705	Kerosene	N.D.	3.	mg/kg	N.D.	4.
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	4.
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	10.
5259	10W-40 Motor Oil	N.D.	30.	mg/kg	N.D.	40.
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The GC Fingerprint for this sample is a pattern of partially resolved component peaks eluting in the range C18 (n-octadecane) through C40 (n-tetracontane) normal hydrocarbons. The overall sample pattern is unlike any of our petroleum distillate/product reference patterns and suggests the presence of nonpetroleum organic (hydrocarbon) material. If we calculate total sample area as petroleum distillate/product, it would be present at 24 mg/kg in the sample. The limit of quantitation for 10W 40 motor oil was increased due to the nature of the material present in the sample.						

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW HIGH
7584 PPL + Xylene (total) by 8260		Batch: E993191AC								
5444 Chloromethane	2. ug/kg	N.D.		154	108	35	91			47 143
5445 Vinyl Chloride	2. ug/kg	N.D.		154	112	31	91			64 129
5446 Bromomethane	3. ug/kg	N.D.		168	123	31	90			35 146
5447 Chloroethane	3. ug/kg	N.D.		168	121	33	89			29 148
5448 Trichlorofluoromethane	2. ug/kg	N.D.		178	145	20	93			30 160
7586 Acrolein										

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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2425 New Holland Pike
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Respectfully Submitted
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Group Leader Pesticides/PCBs

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2216 Rev. 3/23/99



Lancaster Laboratories
Where quality is a science.

LLI Sample No. SW 3269302

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#4, SB 101 (6.5-8.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
20.	ug/kg	N.D.		72	34	72	128			36	147
5449 1,1-Dichloroethene		N.D.		177	130	31	98			68	154
2.	ug/kg	N.D.		102	73	19	104			71	135
5450 Methylene Chloride		N.D.		111	73	42	98			71	130
2.	ug/kg	N.D.		151	102	38	107			74	137
7587 Acrylonitrile		N.D.		154	115	29	105			82	127
10.	ug/kg	N.D.		141	104	30	108			86	125
5451 trans-1,2-Dichloroethene		N.D.		148	127	16	108			82	121
2.	ug/kg	N.D.		140	128	9	109			79	123
5452 1,1-Dichloroethane		N.D.		159	138	14	103			81	130
1.	ug/kg	N.D.		148	130	13	104			79	131
5454 cis-1,2-Dichloroethene		N.D.		122	119	3	109			82	125
2.	ug/kg	N.D.		141	104	30	104			84	130
5455 Chloroform		N.D.		140	110	24	109			78	125
1.	ug/kg	N.D.		155	119	26	111			82	120
5457 1,2-Dichloroethane		N.D.		39	39	1	114			62	127
2.	ug/kg	N.D.		132	100	28	109			80	121
5457 1,1,1-Trichloroethane		N.D.		126	120	5	105			80	122
1.	ug/kg	N.D.		131	129	2	109			83	122
5458 Carbon Tetrachloride		N.D.		132	125	5	110			83	118
1.	ug/kg	N.D.		108	99	9	115			75	122
5460 Benzene		N.D.									
1.	ug/kg	N.D.									
5462 Trichloroethene		N.D.									
1.	ug/kg	N.D.									
5463 1,2-Dichloropropane		N.D.									
3.	ug/kg	N.D.									
5465 Bromodichloromethane		N.D.									
2.	ug/kg	N.D.									
7585 2-Chloroethyl Vinyl Ether		N.D.									
2.	ug/kg	N.D.									
6298 cis-1,3-Dichloropropene		N.D.									
1.	ug/kg	N.D.									
6297 trans-1,3-Dichloropropene		N.D.									
1.	ug/kg	N.D.									
5467 1,1,2-Trichloroethane		N.D.									
2.	ug/kg	N.D.									
5470 Dibromochloromethane		N.D.									
1.	ug/kg	N.D.									
5478 Bromoform		N.D.									
1.	ug/kg	N.D.									

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. SW 3269302

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#4, SB 101 (6.5-8.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
5466 Toluene											
1. ug/kg		N.D.		151	127	18	103			84	125
5468 Tetrachloroethene											
1. ug/kg		N.D.		129	114	13	94			76	146
5472 Chlorobenzene											
1. ug/kg		N.D.		115	106	8	104			86	124
5474 Ethylbenzene											
1. ug/kg		N.D.		117	107	9	101			85	126
6301 Xylene (Total)											
1. ug/kg		N.D.		106	101	5	103			72	137
5480 1,1,2,2-Tetrachloroethane											
1. ug/kg		N.D.		128	152	17	106			61	137
2016 Methyl t-butyl ether											
1. ug/kg		N.D.		142	106	28	110			65	117
0111 Moisture		Batch: 993250091820003A									
0.50 % by wt.			2				100	100	0	99	101
5256 TPH by GC-FID (Soils)		Batch: 993150013A J316									
5257 Mineral Spirits											
3. mg/kg		N.D.									
4704 Gasoline											
3. mg/kg		N.D.									
4705 Kerosene											
3. mg/kg		N.D.									
4706 Diesel/#2 Fuel											
3. mg/kg		N.D.		88	93	5	70			70	119
5258 #6 Fuel Oil											
10. mg/kg		N.D.									
5259 10W-40 Motor Oil											
30. mg/kg		N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
5256 TPH by GC-FID (Soils)		Chlorobenz	54	50	120
		o-Terpheny	85	75	135
7584 PPL + Xylene (total) by 8260		DBFM	117	80	120
		d4-1,2-DCA	113	80	120
		d8-toluene	106	81	117
		4-BFB	107	74	121

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs

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LLI Sample No. SW 3269302

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#4, SB 101 (6.5-8.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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SAMPLE	SAMPLE		DUP	MS	MSD	MS	LCS	LCS	LCS	LIMITS
MDL	UNITS	BLANK	RPD			RPD	DUP	RPD	LOW	HIGH

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1		11/17/99 1251	Michael E. McAdams
0111	Moisture	EPA 160.3 modified	1		11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1		11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1		11/12/99 2138	Robert G. Brown

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2216 Rev. 3/23/99



LLI Sample No. SW 3269303

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#5, SB 101 (8.5-10.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	METHOD	DETECTION LIMIT UNITS	RESULTS	METHOD	DETECTION LIMIT
7584	PPL + Xylene (total) by 8260						
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	2.	
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	2.	
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	3.	
5447	Chloroethane	N.D.	3.	ug/kg	N.D.	3.	
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	2.	
7586	Acrolein	N.D.	20.	ug/kg	N.D.	22.	
5449	1,1-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.	
5450	Methylene Chloride	N.D.	2.	ug/kg	N.D.	2.	
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	11.	
5451	trans-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.	
5452	1,1-Dichloroethane	N.D.	1.	ug/kg	N.D.	1.	
5454	cis-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	2.	
5455	Chloroform	N.D.	1.	ug/kg	N.D.	1.	
61	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	2.	
5457	1,1,1-Trichloroethane	N.D.	1.	ug/kg	N.D.	1.	
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.	
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.	
5462	Trichloroethene	N.D.	1.	ug/kg	N.D.	1.	
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	3.	
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	2.	
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	2.	
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.	
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.	
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	2.	
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.	
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.	
5466	Toluene	N.D.	1.	ug/kg	N.D.	1.	
5468	Tetrachloroethene	1.	J	1.	1.	J	1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.	
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.	
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.	
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.	
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.	
0111	Moisture	9.67	0.50	% by wt.			
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.						

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 05:12:03 D 0001 10 130270 690944
 055 0.00 00025060 ASR000



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

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 See reverse side for explanation of symbols and abbreviations.

Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. SW 3269303

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#5, SB 101 (8.5-10.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
5256	TPH by GC-FID (Soils)					
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	3.
4704	Gasoline	N.D.	3.	mg/kg	N.D.	3.
4705	Kerosene	N.D.	3.	mg/kg	N.D.	3.
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	3.
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	10.
5259	10W-40 Motor Oil	N.D.	10.	mg/kg	N.D.	10.
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
7584 PPL + Xylene (total) by 8260		Batch: E993191AC									
5444 Chloromethane	2. ug/kg	N.D.		154	108	35	91			47	143
5445 Vinyl Chloride	2. ug/kg	N.D.		154	112	31	91			64	129
5446 Bromomethane	3. ug/kg	N.D.		168	123	31	90			35	146
5447 Chloroethane	3. ug/kg	N.D.		168	121	33	89			29	148
5448 Trichlorofluoromethane	2. ug/kg	N.D.		178	145	20	93			30	160
7586 Acrolein	20. ug/kg	N.D.		72	34	72	128			36	147
5449 1,1-Dichloroethene	2. ug/kg	N.D.		177	130	31	98			68	154
5450 Methylene Chloride	2. ug/kg	N.D.		102	73	19	104			71	135
7587 Acrylonitrile	10. ug/kg	N.D.		111	73	42	98			71	130
5451 trans-1,2-Dichloroethene	2. ug/kg	N.D.		151	102	38	107			74	137
5452 1,1-Dichloroethane											

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs


LLI Sample No. SW 3269303

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#5, SB 101 (8.5-10.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

P.O.

Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1.	ug/kg	N.D.		154	115	29	105			82	127
5454	cis-1,2-Dichloroethene	N.D.		141	104	30	108			86	125
5455	Chloroform	N.D.		148	127	16	108			82	121
5461	1,2-Dichloroethane	N.D.		140	128	9	109			79	123
5457	1,1,1-Trichloroethane	N.D.		159	138	14	103			81	130
5458	Carbon Tetrachloride	N.D.		148	130	13	104			79	131
5460	Benzene	N.D.		122	119	3	109			82	125
5462	Trichloroethene	N.D.		141	104	30	104			84	130
5465	1,2-Dichloropropane	N.D.		140	110	24	109			78	125
5465	Bromodichloromethane	N.D.		155	119	26	111			82	120
7585	2-Chloroethyl Vinyl Ether	N.D.		39	39	1	114			62	127
6298	cis-1,3-Dichloropropene	N.D.		132	100	28	109			80	121
6297	trans-1,3-Dichloropropene	N.D.		126	120	5	105			80	122
5467	1,1,2-Trichloroethane	N.D.		131	129	2	109			83	122
5470	Dibromochloromethane	N.D.		132	125	5	110			83	118
5478	Bromoform	N.D.		108	99	9	115			75	122
5466	Toluene	N.D.		151	127	18	103			84	125
5468	Tetrachloroethene	N.D.		129	114	13	94			76	146
5472	Chlorobenzene	N.D.		115	106	8	104			86	124
5474	Ethylbenzene	N.D.		117	107	9	101			85	126
6301	Xylene (Total)	N.D.		106	101	5	103			72	137

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

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 2425 New Holland Pike
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 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



Lancaster Laboratories
Where quality is a science.

LLI Sample No. SW 3269303

Collected: 11/08/99 at 14:15 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

#5, SB 101 (8.5-10.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5480 1,1,2,2-Tetrachloroethane											
1. ug/kg		N.D.		128	152	17	106			61	137
2016 Methyl t-butyl ether											
1. ug/kg		N.D.		142	106	28	110			65	117
0111 Moisture		Batch: 993250091820003A									
0.50 % by wt.			2				100	100	0	99	101
5256 TPH by GC-FID (Soils)		Batch: 993150013A J316									
5257 Mineral Spirits											
3. mg/kg		N.D.									
4704 Gasoline											
3. mg/kg		N.D.									
4705 Kerosene											
3. mg/kg		N.D.									
Diesel/#2 Fuel											
3. mg/kg		N.D.		88	93	5	70			70	119
5258 #6 Fuel Oil											
10. mg/kg		N.D.									
5259 10W-40 Motor Oil											
10. mg/kg		N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
5256 TPH by GC-FID (Soils)		Chlorobenz	60	LOW	HIGH
		o-Terpheny	92	50	120
7584 PPL + Xylene (total) by 8260		DBFM	120	75	135
		d4-1,2-DCA	111	80	120
		d8-toluene	104	80	120
		4-BFB	106	81	117
				74	121

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/17/99 1331	Michael E. McAdams
0111	Moisture	EPA 160.3 modified	1	11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1	11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1	11/12/99 2228	Robert G. Brown

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2425 New Holland Pike
PO Box 12425
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717-656-2300 Fax: 717-656-2681

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2216 Rev. 3/23/99


LLI Sample No. SW 3269304

Collected: 11/08/99 at 14:46 by SM

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Ref.

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #6, SB 101 (10.5-12.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
7584	PPL + Xylene (total) by 8260					
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	2.
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	2.
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	3.
5447	Chloroethane	120.	3.	ug/kg	130.	3.
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	2.
7586	Acrolein	N.D.	20.	ug/kg	N.D.	23.
5449	1,1-Dichloroethene	11.	2.	ug/kg	12.	2.
5450	Methylene Chloride	5.	2.	ug/kg	6.	2.
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	11.
5451	trans-1,2-Dichloroethene	7.	2.	ug/kg	8.	2.
5452	1,1-Dichloroethane	300.	1.	ug/kg	340.	1.
5454	cis-1,2-Dichloroethene	350.	4.	ug/kg	400.	5.
5455	Chloroform	N.D.	1.	ug/kg	N.D.	1.
5456	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	2.
5457	1,1,1-Trichloroethane	19.	1.	ug/kg	21.	1.
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.
5462	Trichloroethene	6.	1.	ug/kg	7.	1.
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	3.
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	2.
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	2.
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	2.
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.
5466	Toluene	2.	J 1.	ug/kg	2.	J 1.
5468	Tetrachloroethene	32.	1.	ug/kg	37.	1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.
0111	Moisture	12.8	0.50	% by wt.		
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.					

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 05:12:31 D 0001 10 130270 690944
 055 0.00 00025060 ASR000

 Lancaster Laboratories
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 717-656-2300 Fax: 717-656-2681

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 See reverse side for explanation of symbols and abbreviations.

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. SW 3269304

Collected: 11/08/99 at 14:46 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#6, SB 101 (10.5-12.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
5256	TPH by GC-FID (Soils)					
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	3.
4704	Gasoline	N.D.	3.	mg/kg	N.D.	3.
4705	Kerosene	N.D.	3.	mg/kg	N.D.	3.
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	3.
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	10.
5259	10W-40 Motor Oil	N.D.	30.	mg/kg	N.D.	30.

TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The GC Fingerprint for this sample is a pattern of partially resolved component peaks eluting in the range C18 (n-octadecane) through C40 (n-tetracontane) normal hydrocarbons. The overall sample pattern is unlike any of our petroleum distillate/product reference patterns and suggests the presence of nonpetroleum organic (hydrocarbon) material. If we calculate total sample area as petroleum distillate/product, it would be present at 19 mg/kg in the sample.

The limit of quantitation for 10W 40 motor oil was increased due to the nature of the material present in the sample.

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
7584 PPL + Xylene (total) by 8260		Batch: E993191AB									
5444 Chloromethane	2. ug/kg	N.D.		154	108	35	91			47	143
5445 Vinyl Chloride	2. ug/kg	N.D.		154	112	31	91			64	129
5446 Bromomethane	3. ug/kg	N.D.		168	123	31	90			35	146
5447 Chloroethane	3. ug/kg	N.D.		168	121	33	89			29	148
5448 Trichlorofluoromethane	2. ug/kg	N.D.		178	145	20	93			30	160
7586 Acrolein											

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2425 New Holland Pike
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717-656-2300 Fax: 717-656-2681

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2216 Rev. 3/23/99


LLI Sample No. SW 3269304

Collected: 11/08/99 at 14:46 by SM

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #6, SB 101 (10.5-12.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
20.	ug/kg	N.D.		72	34	72	128			36	147
5449	1,1-Dichloroethene	N.D.		177	130	31	98			68	154
5450	2. Methylene Chloride	N.D.		102	73	19	104			71	135
7587	2. Acrylonitrile	N.D.		111	73	42	98			71	130
5451	10. trans-1,2-Dichloroethene	N.D.		151	102	38	107			74	137
5452	2. 1,1-Dichloroethane	N.D.		154	115	29	105			82	127
5454	1. cis-1,2-Dichloroethene	N.D.		141	104	30	108			86	125
5455	4. Chloroform	N.D.		148	127	16	108			82	121
	1. 1,2-Dichloroethane	N.D.		140	128	9	109			79	123
5457	2. 1,1,1-Trichloroethane	N.D.		159	138	14	103			81	130
5458	1. Carbon Tetrachloride	N.D.		148	130	13	104			79	131
5460	1. Benzene	N.D.		122	119	3	109			82	125
5462	1. Trichloroethene	N.D.		141	104	30	104			84	130
5463	3. 1,2-Dichloropropane	N.D.		140	110	24	109			78	125
5465	2. Bromodichloromethane	N.D.		155	119	26	111			82	120
7585	2. 2-Chloroethyl Vinyl Ether	N.D.		39	39	1	114			62	127
6298	1. cis-1,3-Dichloropropene	N.D.		132	100	28	109			80	121
6297	1. trans-1,3-Dichloropropene	N.D.		126	120	5	105			80	122
5467	2. 1,1,2-Trichloroethane	N.D.		131	129	2	109			83	122
5470	1. Dibromochloromethane	N.D.		132	125	5	110			83	118
5478	1. Bromoform	N.D.		108	99	9	115			75	122

 Questions? Contact your Client Services Representative
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 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. SW 3269304

Collected: 11/08/99 at 14:46 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#6, SB 101 (10.5-12.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Ref.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5466 Toluene											
1.	ug/kg	N.D.		151	127	18	103			84	125
5468 Tetrachloroethene											
1.	ug/kg	N.D.		129	114	13	94			76	146
5472 Chlorobenzene											
1.	ug/kg	N.D.		115	106	8	104			86	124
5474 Ethylbenzene											
1.	ug/kg	N.D.		117	107	9	101			85	126
6301 Xylene (Total)											
1.	ug/kg	N.D.		106	101	5	103			72	137
5480 1,1,2,2-Tetrachloroethane											
1.	ug/kg	N.D.		128	152	17	106			61	137
2016 Methyl t-butyl ether											
1.	ug/kg	N.D.		142	106	28	110			65	117
0111 Moisture		Batch: 993250091820003A									
0.50	% by wt.		2				100	100	0	99	101

5256 TPH by GC-FID (Soils)		Batch: 993150013A J316									

5257 Mineral Spirits											
3.	mg/kg	N.D.									
4704 Gasoline											
3.	mg/kg	N.D.									
4705 Kerosene											
3.	mg/kg	N.D.									
4706 Diesel/#2 Fuel											
3.	mg/kg	N.D.		88	93	5	70			70	119
5258 #6 Fuel Oil											
10.	mg/kg	N.D.									
5259 10W-40 Motor Oil											
30.	mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	SURROGATE LIMITS HIGH
5256 TPH by GC-FID (Soils)		Chlorobenz	53	50	120
		o-Terpheny	78	75	135
7584 PPL + Xylene (total) by 8260		DBFM	120	80	120
		d4-1,2-DCA	119	80	120
		d8-toluene	113	81	117
		4-BFB	109	74	121

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBsLancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.

2216 Rev. 3/23/99


LLI Sample No. SW 3269304

Collected: 11/08/99 at 14:46 by SM

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #6, SB 101 (10.5-12.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
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LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1		11/16/99 1502	Michael E. McAdams
0111	Moisture	EPA 160.3 modified	1		11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1		11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1		11/12/99 2319	Robert G. Brown

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

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 See reverse side for explanation of symbols and abbreviations.

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



Lancaster Laboratories
Where quality is a science.

LLI Sample No. SW 3269305

Collected: 11/08/99 at 14:50 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

#7, SB 101 (12.5-14.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	METHOD	DETECTION LIMIT UNITS	RESULTS	METHOD	DETECTION LIMIT
7584	PPL + Xylene (total) by 8260						
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	3.	
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	3.	
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	4.	
5447	Chloroethane	20.	3.	ug/kg	26.	4.	
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	3.	
7586	Acrolein	N.D.	20.	ug/kg	N.D.	26.	
5449	1,1-Dichloroethene	4. J	2.	ug/kg	5. J	3.	
5450	Methylene Chloride	2. J	2.	ug/kg	3. J	3.	
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	13.	
5451	trans-1,2-Dichloroethene	6.	2.	ug/kg	8.	3.	
5452	1,1-Dichloroethane	56.	1.	ug/kg	74.	1.	
5454	cis-1,2-Dichloroethene	300.	2.	ug/kg	400.	3.	
5455	Chloroform	N.D.	1.	ug/kg	N.D.	1.	
5456	1,2-Dichloroethane	2. J	2.	ug/kg	3. J	3.	
5457	1,1,1-Trichloroethane	2. J	1.	ug/kg	3. J	1.	
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.	
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.	
5462	Trichloroethene	2. J	1.	ug/kg	2. J	1.	
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	4.	
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	3.	
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	3.	
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.	
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.	
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	3.	
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.	
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.	
5466	Toluene	2. J	1.	ug/kg	2. J	1.	
5468	Tetrachloroethene	6.	1.	ug/kg	8.	1.	
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.	
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.	
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.	
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.	
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.	
0111	Moisture	24.3	0.50	% by wt.			
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.						

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
05:13:10 D 0001 10 130270 690944
055 0.00 00025060 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

2216 Rev. 3/23/99



LLI Sample No. SW 3269305

Collected: 11/08/99 at 14:50 by SM

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Rel.
 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #7, SB 101 (12.5-14.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	METHOD DETECTION	LIMIT UNITS	RESULTS	METHOD DETECTION	LIMIT
5256	TPH by GC-FID (Soils)						
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	4.	
4704	Gasoline	N.D.	3.	mg/kg	N.D.	4.	
4705	Kerosene	N.D.	3.	mg/kg	N.D.	4.	
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	4.	
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	20.	
5259	10W-40 Motor Oil	N.D.	10.	mg/kg	N.D.	20.	
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.							

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
7584	PPL + Xylene (total) by 8260	Batch: E993191AC									
5444	Chloromethane										
2.	ug/kg	N.D.		154	108	35	91			47	143
5445	Vinyl Chloride										
2.	ug/kg	N.D.		154	112	31	91			64	129
5446	Bromomethane										
3.	ug/kg	N.D.		168	123	31	90			35	146
5447	Chloroethane										
3.	ug/kg	N.D.		168	121	33	89			29	148
5448	Trichlorofluoromethane										
2.	ug/kg	N.D.		178	145	20	93			30	160
7586	Acrolein										
20.	ug/kg	N.D.		72	34	72	128			36	147
5449	1,1-Dichloroethene										
2.	ug/kg	N.D.		177	130	31	98			68	154
5450	Methylene Chloride										
2.	ug/kg	N.D.		102	73	19	104			71	135
7587	Acrylonitrile										
10.	ug/kg	N.D.		111	73	42	98			71	130
5451	trans-1,2-Dichloroethene										
2.	ug/kg	N.D.		151	102	38	107			74	137
5452	1,1-Dichloroethane										

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425

Lancaster, PA 17605-2425

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 Group Leader Pesticides/PCBs

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2216 Rev. 3/23/99


LLI Sample No. SW 3269305

Collected: 11/08/99 at 14:50 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#7, SB 101 (12.5-14.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Re1.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
1.	ug/kg	N.D.		154	115	29	105			82	127
5454	cis-1,2-Dichloroethene	N.D.		141	104	30	108			86	125
5455	Chloroform	N.D.		148	127	16	108			82	121
5461	1,2-Dichloroethane	N.D.		140	128	9	109			79	123
5457	1,1,1-Trichloroethane	N.D.		159	138	14	103			81	130
5458	Carbon Tetrachloride	N.D.		148	130	13	104			79	131
5460	Benzene	N.D.		122	119	3	109			82	125
5462	Trichloroethene	N.D.		141	104	30	104			84	130
5465	1,2-Dichloropropane	N.D.		140	110	24	109			78	125
5465	Bromodichloromethane	N.D.		155	119	26	111			82	120
7585	2-Chloroethyl Vinyl Ether	N.D.		39	39	1	114			62	127
6298	cis-1,3-Dichloropropene	N.D.		132	100	28	109			80	121
6297	trans-1,3-Dichloropropene	N.D.		126	120	5	105			80	122
5467	1,1,2-Trichloroethane	N.D.		131	129	2	109			83	122
5470	Dibromochloromethane	N.D.		132	125	5	110			83	118
5478	Bromoform	N.D.		108	99	9	115			75	122
5466	Toluene	N.D.		151	127	18	103			84	125
5468	Tetrachloroethene	N.D.		129	114	13	94			76	146
5472	Chlorobenzene	N.D.		115	106	8	104			86	124
5474	Ethylbenzene	N.D.		117	107	9	101			85	126
6301	Xylene (Total)	N.D.		106	101	5	103			72	137

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs

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2216 Rev. 3/23/99


LLI Sample No. SW 3269305

Collected: 11/08/99 at 14:50 by SM

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #7, SB 101 (12.5-14.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Ref.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5480	1,1,2,2-Tetrachloroethane										
1.	ug/kg	N.D.		128	152	17	106			61	137
2016	Methyl t-butyl ether										
1.	ug/kg	N.D.		142	106	28	110			65	117
0111	Moisture	Batch: 993250091820003A									
0.50	% by wt.		2				100	100	0	99	101
5256	TPH by GC-FID (Soils)	Batch: 993150013A J316									
5257	Mineral Spirits										
3.	mg/kg	N.D.									
4704	Gasoline										
3.	mg/kg	N.D.									
4705	Kerosene										
3.	mg/kg	N.D.									
	Diesel/#2 Fuel										
3.	mg/kg	N.D.		88	93	5	70			70	119
5258	#6 Fuel Oil										
10.	mg/kg	N.D.									
5259	10W-40 Motor Oil										
10.	mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
5256 TPH by GC-FID (Soils)		Chlorobenz	51	LOW	HIGH
		o-Terpheny	83	50	120
		DBFM	119	75	135
7584 PPL + Xylene (total) by 8260		d4-1,2-DCA	116	80	120
		d8-toluene	105	80	120
		4-BFB	103	81	117
				74	121

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/17/99 1955	Bryan J. Polick
0111	Moisture	EPA 160.3 modified	1	11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1	11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1	11/13/99 0009	Robert G. Brown

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425

Lancaster, PA 17605-2425

717-656-2300 Fax: 717-656-2631

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2216 Rev. 3/23/99



LLI Sample No. SW 3269306

Collected: 11/08/99 at 15:10 by SM

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00#8, SB 101 (14.5-16.5') BG Composite Soil Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Ref.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION LIMIT	UNITS	RESULTS	METHOD DETECTION LIMIT
7584	PPL + Xylene (total) by 8260					
5444	Chloromethane	N.D.	2.	ug/kg	N.D.	3.
5445	Vinyl Chloride	N.D.	2.	ug/kg	N.D.	3.
5446	Bromomethane	N.D.	3.	ug/kg	N.D.	4.
5447	Chloroethane	27.	3.	ug/kg	34.	4.
5448	Trichlorofluoromethane	N.D.	2.	ug/kg	N.D.	3.
7586	Acrolein	N.D.	20.	ug/kg	N.D.	26.
5449	1,1-Dichloroethene	N.D.	2.	ug/kg	N.D.	3.
5450	Methylene Chloride	N.D.	2.	ug/kg	N.D.	3.
7587	Acrylonitrile	N.D.	10.	ug/kg	N.D.	13.
5451	trans-1,2-Dichloroethene	N.D.	2.	ug/kg	N.D.	3.
5452	1,1-Dichloroethane	38.	1.	ug/kg	49.	1.
5454	cis-1,2-Dichloroethene	31.	2.	ug/kg	39.	3.
5455	Chloroform	N.D.	1.	ug/kg	N.D.	1.
5461	1,2-Dichloroethane	N.D.	2.	ug/kg	N.D.	3.
5457	1,1,1-Trichloroethane	4.	J 1.	ug/kg	5.	J 1.
5458	Carbon Tetrachloride	N.D.	1.	ug/kg	N.D.	1.
5460	Benzene	N.D.	1.	ug/kg	N.D.	1.
5462	Trichloroethene	3.	J 1.	ug/kg	4.	J 1.
5463	1,2-Dichloropropane	N.D.	3.	ug/kg	N.D.	4.
5465	Bromodichloromethane	N.D.	2.	ug/kg	N.D.	3.
7585	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	N.D.	3.
6298	cis-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
6297	trans-1,3-Dichloropropene	N.D.	1.	ug/kg	N.D.	1.
5467	1,1,2-Trichloroethane	N.D.	2.	ug/kg	N.D.	3.
5470	Dibromochloromethane	N.D.	1.	ug/kg	N.D.	1.
5478	Bromoform	N.D.	1.	ug/kg	N.D.	1.
5466	Toluene	N.D.	1.	ug/kg	N.D.	1.
5468	Tetrachloroethene	1.	J 1.	ug/kg	1.	J 1.
5472	Chlorobenzene	N.D.	1.	ug/kg	N.D.	1.
5474	Ethylbenzene	N.D.	1.	ug/kg	N.D.	1.
6301	Xylene (Total)	N.D.	1.	ug/kg	N.D.	1.
5480	1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	N.D.	1.
2016	Methyl t-butyl ether	N.D.	1.	ug/kg	N.D.	1.
0111	Moisture	21.8	0.50	% by wt.		
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.					

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
05:13:48 D 0001 10 130270 690944
055 0.00 00025060 ASR000Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
See reverse side for explanation of symbols and abbreviations.Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

2216 Rev. 3/23/99



Lancaster Laboratories
Where quality is a science.

LLI Sample No. SW 3269306

Collected: 11/08/99 at 15:10 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#8, SB 101 (14.5-16.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT	
		RESULTS	METHOD DETECTION	LIMIT UNITS	RESULTS	METHOD DETECTION LIMIT
5256	TPH by GC-FID (Soils)					
5257	Mineral Spirits	N.D.	3.	mg/kg	N.D.	4.
4704	Gasoline	N.D.	3.	mg/kg	N.D.	4.
4705	Kerosene	N.D.	3.	mg/kg	N.D.	4.
4706	Diesel/#2 Fuel	N.D.	3.	mg/kg	N.D.	4.
5258	#6 Fuel Oil	N.D.	10.	mg/kg	N.D.	20.
5259	10W-40 Motor Oil	N.D.	10.	mg/kg	N.D.	20.
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
7584 PPL + Xylene (total) by 8260		Batch: D993191AB									
5444 Chloromethane	2. ug/kg	N.D.		115	113	2	116			47	143
5445 Vinyl Chloride	2. ug/kg	N.D.		109	104	4	117			64	129
5446 Bromomethane	3. ug/kg	N.D.		114	111	2	111			35	146
5447 Chloroethane	3. ug/kg	N.D.		238	115	40	114			29	148
5448 Trichlorofluoromethane	2. ug/kg	N.D.		124	113	9	101			30	160
7586 Acrolein	20. ug/kg	N.D.		122	110	10	114			36	147
5449 1,1-Dichloroethene	2. ug/kg	N.D.		138	130	6	108			68	154
5450 Methylene Chloride	2. ug/kg	N.D.		126	120	5	111			71	135
7587 Acrylonitrile	10. ug/kg	N.D.		109	103	5	116			71	130
5451 trans-1,2-Dichloroethene	2. ug/kg	N.D.		122	122	0	108			74	137
5452 1,1-Dichloroethane											

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs

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See reverse side for explanation of symbols and abbreviations.

2216 Rev. 3/23/99


LLI Sample No. SW 3269306

Collected: 11/08/99 at 15:10 by SM

 Submitted: 11/09/99 Reported: 12/07/99
 Discard: 01/07/00

 #8, SB 101 (14.5-16.5') BG Composite Soil Sample
 LOC# WBS#
 MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

 P.O.
 Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
1.	ug/kg	N.D.		277	140	35	113			82	127
5454	cis-1,2-Dichloroethene	N.D.		224	131	28	108			86	125
5455	Chloroform	N.D.		115	118	3	106			82	121
5461	1,2-Dichloroethane	N.D.		114	117	3	109			79	123
5457	1,1,1-Trichloroethane	N.D.		144	129	10	103			81	130
5458	Carbon Tetrachloride	N.D.		130	138	5	105			79	131
5460	Benzene	N.D.		120	126	5	112			82	125
5462	Trichloroethene	N.D.		133	126	5	107			84	130
3	1,2-Dichloropropane	N.D.		118	122	3	115			78	125
5465	Bromodichloromethane	N.D.		113	117	4	106			82	120
7585	2-Chloroethyl Vinyl Ether	N.D.		105	112	7	117			62	127
6298	cis-1,3-Dichloropropene	N.D.		111	117	5	110			80	121
6297	trans-1,3-Dichloropropene	N.D.		108	115	6	105			80	122
5467	1,1,2-Trichloroethane	N.D.		112	117	5	110			83	122
5470	Dibromochloromethane	N.D.		116	122	6	105			83	118
5478	Bromoform	N.D.		111	113	2	107			75	122
5466	Toluene	N.D.		116	125	8	109			84	125
5468	Tetrachloroethene	N.D.		134	135	1	108			76	146
5472	Chlorobenzene	N.D.		113	119	5	109			86	124
5474	Ethylbenzene	N.D.		121	123	2	111			85	126
6301	Xylene (Total)	N.D.		117	122	4	113			72	137

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425

Lancaster, PA 17605-2425

717-656-2300 Fax: 717-656-2631

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 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



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Where quality is a science.

LLI Sample No. SW 3269306

Collected: 11/08/99 at 15:10 by SM

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

#8, SB 101 (14.5-16.5') BG Composite Soil Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Ref.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5480	1,1,2,2-Tetrachloroethane										
1.	ug/kg	N.D.		98	103	5	102			61	137
2016	Methyl t-butyl ether										
1.	ug/kg	N.D.		111	111	0	107			65	117
0111	Moisture	Batch: 993250091820003A									
0.50	% by wt.		2				100	100	0	99	101
5256	TPH by GC-FID (Soils)	Batch: 993150013A J316									
5257	Mineral Spirits										
3.	mg/kg	N.D.									
4704	Gasoline										
3.	mg/kg	N.D.									
4705	Kerosene										
3.	mg/kg	N.D.									
5258	Diesel/#2 Fuel			88	93	5	70			70	119
3.	mg/kg	N.D.									
5258	#6 Fuel Oil										
10.	mg/kg	N.D.									
5259	10W-40 Motor Oil										
10.	mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
5256 TPH by GC-FID (Soils)		Chlorobenz	57	LOW	HIGH
		o-Terpheny	92	50	120
		DBFM	108	75	135
7584 PPL + Xylene (total) by 8260		d4-1,2-DCA	104	80	120
		d8-toluene	107	80	120
		4-BFB	107	81	117
				74	121

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7584	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/17/99 0449	Angela J. King
0111	Moisture	EPA 160.3 modified	1	11/21/99 1634	Gabriel Agosto
4833	Extraction / Fuel TPH (Soils)	SW-846 3550B	1	11/11/99 1800	Karen L. Beyer
5256	TPH by GC-FID (Soils)	SW-846 8015B modified	1	11/13/99 0100	Robert G. Brown

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. WW 3269307

Collected: 11/08/99

Submitted: 11/09/99 Reported: 12/07/99

Discard: 01/07/00

Equipment Blank Water Sample

LOC# WBS#

MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Rel.

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
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1126	Petroleum Hydrocarbons (418.1)	N.D.	0.11	mg/l
Sufficient sample volume was not available to perform matrix QC for this analysis. Therefore, an LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.				

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1126	Petroleum Hydrocarbons (418.1)	Batch: 993160401112600A									
0.11	mg/l	N.D.	0 (1)				91	88	3	63	109

(1) The result for one or both determinations was less than five times the LOQ.

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
1126	Petroleum Hydrocarbons (418.1)	EPA 418.1	1		11/19/99 0939	Jaime L. Jablonski
8124	TPH IR (W), Prep.	EPA 418.1	1		11/12/99 0715	Shannon L. Stanek

1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 05:14:21 D 0001 10 130270 690944
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 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. WW 3269308
Collected:

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

Trip Blank Water Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
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7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	N.D.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	N.D.	2.	ug/l
5395	cis-1,2-Dichloroethene	N.D.	2.	ug/l
5396	Chloroform	N.D.	1.	ug/l
5397	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l
2010	Methyl t-butyl ether	N.D.	2.	ug/l

QUALITY CONTROL REPORT

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
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1 COPY TO XDD, LLC

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
05:14:30 D 0001 10 130270 690944
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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. WW 3269308
Collected:

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

Trip Blank Water Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
7582 PPL + Xylene (total) by 8260			Batch: N993161AD								
5385 Chloromethane				101	108	6	86			57	143
3. ug/l		N.D.									
5386 Vinyl Chloride				117	117	0	93			63	140
2. ug/l		N.D.									
5387 Bromomethane				78	75	4	88			17	129
3. ug/l		N.D.									
5388 Chloroethane				105	101	4	78			24	133
3. ug/l		N.D.									
5389 Trichlorofluoromethane				126	123	2	89			47	153
2. ug/l		N.D.									
6888 Acrolein				107	107	0	87			51	134
40. ug/l		N.D.									
1,1-Dichloroethene				145	143	1	112			85	135
1. ug/l		N.D.									
5391 Methylene Chloride				136	131	3	110			84	127
2. ug/l		N.D.									
6875 Acrylonitrile				106	104	2	95			70	138
10. ug/l		N.D.									
5392 trans-1,2-Dichloroethene				138	132	5	109			85	130
2. ug/l		N.D.									
5393 1,1-Dichloroethane				133	126	5	107			86	128
2. ug/l		N.D.									
5395 cis-1,2-Dichloroethene				136	130	4	109			89	125
2. ug/l		N.D.									
5396 Chloroform				123	119	3	102			86	125
1. ug/l		N.D.									
5402 1,2-Dichloroethane				119	118	1	102			81	130
2. ug/l		N.D.									
5398 1,1,1-Trichloroethane				130	131	1	107			82	131
1. ug/l		N.D.									
5399 Carbon Tetrachloride				130	131	1	105			81	129
1. ug/l		N.D.									
5401 Benzene				119	116	2	99			88	125
1. ug/l		N.D.									
5403 Trichloroethene				125	124	2	99			89	128
1. ug/l		N.D.									
5404 1,2-Dichloropropane				115	113	2	97			86	122
1. ug/l		N.D.									

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2216 Rev. 3/23/99



LLI Sample No. WW 3269308
Collected:

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

Trip Blank Water Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5406 Bromodichloromethane											
1. ug/l		N.D.		121	122	1	98			86	120
7583 2-Chloroethyl Vinyl Ether											
2. ug/l		N.D.		0	0	0	95			63	143
6307 cis-1,3-Dichloropropene											
1. ug/l		N.D.		115	113	1	92			83	120
6306 trans-1,3-Dichloropropene											
1. ug/l		N.D.		111	113	2	93			83	119
5408 1,1,2-Trichloroethane											
2. ug/l		N.D.		120	118	2	99			86	121
5411 Dibromochloromethane											
2. ug/l		N.D.		113	117	4	93			80	122
5419 Bromoform											
1. ug/l		N.D.		106	109	3	87			65	128
5407 Toluene											
2. ug/l		N.D.		120	119	1	99			89	121
Tetrachloroethene											
1. ug/l		N.D.		126	125	1	110			78	144
5413 Chlorobenzene											
1. ug/l		N.D.		122	121	0	100			91	120
5415 Ethylbenzene											
2. ug/l		N.D.		125	124	1	101			91	122
6310 Xylene (Total)											
1. ug/l		N.D.		126	124	2	103			93	122
5421 1,1,2,2-Tetrachloroethane											
2. ug/l		N.D.		110	112	2	96			65	133
2010 Methyl t-butyl ether											
2. ug/l		N.D.		115	115	0	99			70	117

SURROGATE SUMMARY

7582 PPL + Xylene (total) by 8260	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
		DBFM	102	86	118
		d4-1,2-DCA	92	80	120
		d8-toluene	98	88	110
		4-BFB	98	86	115

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/15/99 2242	Susan A. McMahon

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2425 New Holland Pike
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2216 Rev. 3/23/99



LLI Sample No. WW 3269308
Collected:

Submitted: 11/09/99 Reported: 12/07/99
Discard: 01/07/00

Trip Blank Water Sample
LOC# WBS#
MOBIL: XDD-LLC; Westchester Airport - NY

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

CAT
NO

ANALYSIS NAME

METHOD

ANALYSIS
TRIAL ID DATE AND TIME ANALYST

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

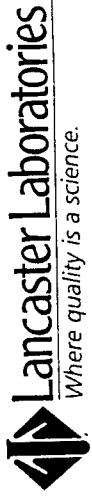
Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



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2216 Rev. 3/23/99



For Lancaster Laboratories use only
Acct. #: 9710 Sample #: 326924-308

Where quality is a science.

SCR#: 1132661

Please print.

Mobil Consultant: XDD-LLC
Consultant Project Manager: STEVE MAGEE
Consultant Phone #: 603 433 0711 Fax #: 603 431 7807
Location Code #: WBS #:
Site Address: WESTCHESTER AIRPORT State: NY
Sampler: STEVE MAGEE
Mobil Engineer: GREG HILL

Analyses Requested List total number of containers in the box under each analysis.

Preservation Codes										Remarks
BTX 602	+MTBE	+NAPH	+TBA	TPH API	GRO	DRO	TPH Mobil	DRO	MRO	
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November 1999
Groundwater Analytical Data



Lancaster Laboratories
Where quality is a science.

LLI Sample No. WW 3280087
Collected: 11/22/99 at 11:35 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW5 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SPMW5 SDG#: XXD01-01

AS RECEIVED

METHOD

RESULTS DETECTION LIMIT UNITS

CAT
NO.

ANALYSIS NAME

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	N.D.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	N.D.	2.	ug/l
5395	cis-1,2-Dichloroethene	N.D.	2.	ug/l
96	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

7105 Volatile Headspace Hydrocarbon

7106	Methane	9,600.	200.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

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ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
21:45:20 D 0002 9 130271 693130
310 0.00 00021600 ASR000

MEMBER



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
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717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality

2216 Rev. 3/23/99



LLI Sample No. WW 3280087
 Collected: 11/22/99 at 11:35 by SM

Account No: 09710

Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

P.O.
 Rel.

Submitted: 11/24/99 Reported: 12/14/99
 Discard: 01/14/00

MW5 Grab Water Sample
 LOC # WBS# #
 MOBIL: Westchester Airport - NY
 SPMW5 SDG#: XXD01-01

AS RECEIVED

METHOD

CAT
 NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/30/99 1327	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1	12/01/99 1058	Tracy A. McNickle

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300



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Respectfully Submitted
 Erik Frederiksen, B.A.
 Group Leader, Water Quality



LLI Sample No. WW 3280088
Collected: 11/22/99 at 13:45 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW6 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SPMW6 SDG#: XXD01-02

AS RECEIVED

METHOD

RESULTS DETECTION LIMIT UNITS

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
7582	PPL + Xylene (total) by 8260			
5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	N.D.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	N.D.	2.	ug/l
5395	cis-1,2-Dichloroethene	N.D.	2.	ug/l
96	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l
7105	Volatile Headspace Hydrocarbon			
7106	Methane	14,000.	200.	ug/l
7107	Ethane	1. J	1.	ug/l
7108	Ethene	1. J	1.	ug/l

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1 COPY TO Data Package Group

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
21:45:47 D 0002 9 130271 693130
310 0.00 00021600 ASR000

MEMBER



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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See reverse side for explanation of symbols and abbreviations.

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. **WW 3280088**
 Collected: 11/22/99 at 13:45 by SM

Account No: 09710

Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

P.O.
 Rel.

Submitted: 11/24/99 Reported: 12/14/99
 Discard: 01/14/00

MW6 Grab Water Sample
 LOC # WBS# #
 MOBIL: Westchester Airport - NY
 SPMW6 SDG#: XXD01-02

AS RECEIVED

METHOD

CAT
 NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/30/99 1539	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1	12/01/99 1106	Tracy A. McNickle

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681

Respectfully Submitted
 Erik Frederiksen, B.A.
 Group Leader, Water Quality

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2216 Rev. 3/23/99



LLI Sample No. WW 3280089
Collected: 11/22/99 at 14:45 by SM

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

Equipment Blank Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SPMEQ SDG#: XXD01-03EB

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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AS RECEIVED

METHOD

RESULTS DETECTION LIMIT UNITS

CAT
NO. ANALYSIS NAME

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	N.D.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	N.D.	2.	ug/l
5395	cis-1,2-Dichloroethene	N.D.	2.	ug/l
96	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

7105 Volatile Headspace Hydrocarbon

7106	Methane	N.D.	2.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

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ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
21:46:18 D 0002 9 130271 693130
310 0.00 00021600 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2631

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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3280089
Collected: 11/22/99 at 14:45 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

Equipment Blank Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SPMEQ SDG#: XXD01-03EB

AS RECEIVED

METHOD

CAT
NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/30/99 1606	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1	12/01/99 1309	Tracy A. McNickle

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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2216 Rev. 3/23 99



LLI Sample No. WW 3280090
Collected: 11/22/99 at 16:40 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW3 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM3- SDG#: XXD01-04

AS RECEIVED

METHOD

RESULTS DETECTION LIMIT UNITS

CAT
NO.

ANALYSIS NAME

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	8.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	N.D.	2.	ug/l
5395	cis-1,2-Dichloroethene	6.	2.	ug/l
96	Chloroform	N.D.	1.	ug/l
402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

7105 Volatile Headspace Hydrocarbon

7106	Methane	9,300.	100.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

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ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
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310 0.00 00021600 ASR000

MEMBER



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3280090
Collected: 11/22/99 at 16:40 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW3 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM3- SDG#: XXD01-04

AS RECEIVED

METHOD

CAT
NO. ANALYSIS NAME

RESULTS DETECTION LIMIT UNITS

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		11/30/99 1632	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		12/01/99 1122	Tracy A. McNickle

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3280091
Collected: 11/22/99 at 16:30 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW4 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM4- SDG#: XXD01-05

AS RECEIVED

METHOD

RESULTS DETECTION LIMIT UNITS

CAT
NO. ANALYSIS NAME

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	4.	J 3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	5.	J 2.	ug/l
5395	cis-1,2-Dichloroethene	11.	2.	ug/l
96	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

7105 Volatile Headspace Hydrocarbon

7106	Methane	14,000.	100.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

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1 COPY TO Data Package Group

ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
21:47:00 D 0002 9 130271 693130
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MEMBER



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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3280091

Collected: 11/22/99 at 16:30 by SM

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW4 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM4- SDG#: XXD01-05

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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Rel.

CAT
NO. ANALYSIS NAME

AS RECEIVED
METHOD
RESULTS DETECTION LIMIT UNITS

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS			
			TRIAL	ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		11/30/99 1658	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		12/01/99 1131	Tracy A. McNickle

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality

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2216 Rev. 3/23/99



LLI Sample No. WW 3280092

Collected: 11/23/99 at 09:30 by SM

Account No: 09710

P.O.
Rel.Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534MW1 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM1- SDG#: XXD01-06

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	METHOD DETECTION LIMIT	UNITS
7582	PPL + Xylene (total) by 8260			
5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	10.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	7.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	18.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	29.	2.	ug/l
5393	1,1-Dichloroethane	140.	2.	ug/l
5395	cis-1,2-Dichloroethene	460.	5.	ug/l
96	Chloroform	N.D.	1.	ug/l
402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	19.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	42.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	33.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l
7105	Volatile Headspace Hydrocarbon			
7106	Methane	6,800.	100.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

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ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
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717-656-2300 Fax: 717-656-2581Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc., a Thermo Electron Company.
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Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3280092

Collected: 11/23/99 at 09:30 by SM

Submitted: 11/24/99 Reported: 12/14/99

Discard: 01/14/00

MW1 Grab Water Sample

LOC # WBS# #

MOBIL: Westchester Airport - NY

SWM1- SDG#: XXD01-06

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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CAT
NO. ANALYSIS NAME

AS RECEIVED
METHOD
RESULTS DETECTION LIMIT UNITS

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL	ID DATE AND TIME	
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/30/99 1725	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1	12/01/99 1139	Tracy A. McNickle

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



Lancaster Laboratories
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717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality

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LLI Sample No. WW 3280093

Collected: 11/23/99 at 10:50 by SM

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

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 Submitted: 11/24/99 Reported: 12/14/99
 Discard: 01/14/00

 MW2 Grab Water Sample
 LOC # WBS# #
 MOBIL: Westchester Airport - NY
 SWM2- SDG#: XXD01-07

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	6.	ug/l
5386	Vinyl Chloride	N.D.	4.	ug/l
5387	Bromomethane	N.D.	6.	ug/l
5388	Chloroethane	2,200.	60.	ug/l
5389	Trichlorofluoromethane	N.D.	4.	ug/l
6888	Acrolein	N.D.	80.	ug/l
5390	1,1-Dichloroethane	150.	2.	ug/l
5391	Methylene Chloride	12.	4.	ug/l
6875	Acrylonitrile	N.D.	20.	ug/l
5392	trans-1,2-Dichloroethene	11.	4.	ug/l
5393	1,1-Dichloroethane	2,700.	40.	ug/l
5395	cis-1,2-Dichloroethene	1,900.	40.	ug/l
5396	Chloroform	N.D.	2.	ug/l
5397	1,2-Dichloroethane	7.	4.	ug/l
5398	1,1,1-Trichloroethane	610.	20.	ug/l
5399	Carbon Tetrachloride	N.D.	2.	ug/l
5401	Benzene	N.D.	2.	ug/l
5403	Trichloroethene	220.	2.	ug/l
5404	1,2-Dichloropropane	N.D.	2.	ug/l
5406	Bromodichloromethane	N.D.	2.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	4.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	2.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	2.	ug/l
5408	1,1,2-Trichloroethane	N.D.	4.	ug/l
5411	Dibromochloromethane	N.D.	4.	ug/l
5419	Bromoform	N.D.	2.	ug/l
5407	Toluene	N.D.	4.	ug/l
5409	Tetrachloroethene	41.	2.	ug/l
5413	Chlorobenzene	N.D.	2.	ug/l
5415	Ethylbenzene	N.D.	4.	ug/l
6310	Xylene (Total)	N.D.	2.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	4.	ug/l

The quantitation limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

7105 Volatile Headspace Hydrocarbon

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ATTN: Mr. Steve Magee

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
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 2425 New Holland Pike
 PO Box 12425

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 Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



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LLI Sample No. WW 3280093

Collected: 11/23/99 at 10:50 by SM

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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Rel.

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW2 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM2- SDG#: XXD01-07

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
7106	Methane	1,400.	20.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		11/30/99 1751	Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		12/01/99 1147	Tracy A. McNickle

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



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LLI Sample No. WW 3280094

Collected: 11/22/99 at 18:25 by SM

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW7 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM7- SDG#: XXD01-08

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD DETECTION LIMIT	UNITS
7582	PPL + Xylene (total) by 8260			
5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	3. J	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	170.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	280.	1.	ug/l
5391	Methylene Chloride	2. J	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	4. J	2.	ug/l
5393	1,1-Dichloroethane	1,300.	20.	ug/l
5395	cis-1,2-Dichloroethene	560.	20.	ug/l
5396	Chloroform	1. J	1.	ug/l
5397	1,2-Dichloroethane	3. J	2.	ug/l
5398	1,1,1-Trichloroethane	800.	10.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	290.	10.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	130.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l
7105	Volatile Headspace Hydrocarbon			
7106	Methane	1,500.	20.	ug/l
7107	Ethane	4. J	1.	ug/l
7108	Ethene	5. J	1.	ug/l

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ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3280094

Collected: 11/22/99 at 18:25 by SM

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

MW7 Grab Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
SWM7- SDG#: XXD01-08

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED	
		RESULTS	METHOD DETECTION LIMIT UNITS

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL	ID	DATE AND TIME ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		12/01/99 1228 Joel R. Nace
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		12/01/99 1203 Tracy A. McNickle

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



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LLI Sample No. WW **3280095**
Collected: 11/23/99 by SM

Submitted: 11/24/99 Reported: 12/14/99
Discard: 01/14/00

Trip Blank #99305 Water Sample
LOC # WBS# #
MOBIL: Westchester Airport - NY
99305 SDG#: XXD01-09TB*

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Ref.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	DETECTION LIMIT	UNITS
7582	PPL + Xylene (total) by 8260				
5385	Chloromethane	N.D.	3.	ug/l	
5386	Vinyl Chloride	N.D.	2.	ug/l	
5387	Bromomethane	N.D.	3.	ug/l	
5388	Chloroethane	N.D.	3.	ug/l	
5389	Trichlorofluoromethane	N.D.	2.	ug/l	
6888	Acrolein	N.D.	40.	ug/l	
5390	1,1-Dichloroethene	N.D.	1.	ug/l	
5391	Methylene Chloride	N.D.	2.	ug/l	
6875	Acrylonitrile	N.D.	10.	ug/l	
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l	
5393	1,1-Dichloroethane	N.D.	2.	ug/l	
5395	cis-1,2-Dichloroethene	N.D.	2.	ug/l	
5396	Chloroform	N.D.	1.	ug/l	
5398	1,2-Dichloroethane	N.D.	2.	ug/l	
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l	
5399	Carbon Tetrachloride	N.D.	1.	ug/l	
5401	Benzene	N.D.	1.	ug/l	
5403	Trichloroethene	N.D.	1.	ug/l	
5404	1,2-Dichloropropane	N.D.	1.	ug/l	
5406	Bromodichloromethane	N.D.	1.	ug/l	
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l	
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l	
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l	
5411	Dibromochloromethane	N.D.	2.	ug/l	
5419	Bromoform	N.D.	1.	ug/l	
5407	Toluene	N.D.	2.	ug/l	
5409	Tetrachloroethene	N.D.	1.	ug/l	
5413	Chlorobenzene	N.D.	1.	ug/l	
5415	Ethylbenzene	N.D.	2.	ug/l	
6310	Xylene (Total)	N.D.	1.	ug/l	
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l	

LABORATORY CHRONICLE

CAT NO.	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/01/99 1255	Joel R. Nace

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ATTN: Mr. Steve Magee

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
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2425 New Holland Pike
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717-656-2300 Fax: 717-656-2631

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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality

**January 2000
Groundwater Analytical Data**



LLI Sample No. WW 3315205

Collected: 01/28/00 at 11:26 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW7(24-1) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

MW724 SDG#: HAN04-01

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Rel.

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	3.	J 2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	130.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	250.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	2.	J 2.	ug/l
5393	1,1-Dichloroethane	1,400.	20.	ug/l
5395	cis-1,2-Dichloroethene	640.	20.	ug/l
5396	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	3.	J 2.	ug/l
5398	1,1,1-Trichloroethane	990.	10.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	360.	10.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	110.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

Poor surrogate recoveries were observed for the GC/MS volatile fraction.
 The analysis was repeated and poor surrogate recoveries were again observed
 indicating a significant matrix effect.

7105 Volatile Headspace Hydrocarbon

1 COPY TO Xpert Design & Diagnostics LLC ATTN: Mr. Steve Magee
 1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300
 02:37:19 D 0002 7 130271 700923
 362 0.00 00021600 ASR000



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
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Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. WW 3315205

Collected: 01/28/00 at 11:26 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW7(24-1) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

MW724 SDG#: HAN04-01

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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Rel.

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
7106	Methane	2,000.	200.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	02/01/00 0200	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1	02/04/00 1033	Dawn Boley

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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2425 New Holland Pike
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Lancaster, PA 17605-2425
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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



LLI Sample No. WW 3315206

Collected: 01/28/00 at 12:45 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW7(17-1) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

MW717 SDG#: HAN04-02

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

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AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
------------	---------------	---------	-----------------	-------

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	3. J	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	140.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	260.	1.	ug/l
5391	Methylene Chloride	2. J	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	2. J	2.	ug/l
5393	1,1-Dichloroethane	1,400.	20.	ug/l
5395	cis-1,2-Dichloroethane	610.	20.	ug/l
396	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	3. J	2.	ug/l
5398	1,1,1-Trichloroethane	920.	10.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	320.	10.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	120.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

Poor surrogate recoveries were observed for the GC/MS volatile fraction.
The analysis was repeated and poor surrogate recoveries were again observed
indicating a significant matrix effect.

7105 Volatile Headspace Hydrocarbon

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1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
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362 0.00 00021600 ASR000



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Lancaster, PA 17605-2425
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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. WW 3315206
 Collected: 01/28/00 at 12:45 by AL

Account No: 09710

Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

P.O.
 Rel.

Submitted: 01/29/00 Reported: 02/15/00
 Discard: 03/17/00

MW7(17-1) Grab Water Sample
 LOC# WBS#
 MOBIL: Hangar D - West Chester Airport - NY
 MW717 SDG#: HAN04-02

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METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
7106	Methane	1,100.	200.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		02/01/00 0228	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		02/04/00 1042	Dawn Boley

Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

Respectfully Submitted
 Erik Frederiksen, B.A.
 Group Leader, Water Quality



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 PO Box 12425
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LLI Sample No. WW 3315207

Collected: 01/28/00 at 14:20 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

EB1 Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

EB1-- SDG#: HAN04-03EB

Account No: 09710

Mobil Oil Corporation

Suite K20-6

114 West Franklin Ave.

Pennington NJ 08534

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AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	N.D.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	2. J	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	6.	2.	ug/l
5395	cis-1,2-Dichloroethene	4. J	2.	ug/l
396	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	8.	1.	ug/l
5399	Carbon Tetrachloride	1. J	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	9.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	6.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l
2010	Methyl t-butyl ether	N.D.	2.	ug/l

Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

7105 Volatile Headspace Hydrocarbon

1 COPY TO Xpert Design & Diagnostics LLC ATTN: Mr. Steve Magee
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
02:37:56 D 0002 7 130271 700923
362 0.00 00021600 ASR000



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425

Lancaster, PA 17605-2425

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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. WW 3315207

Collected: 01/28/00 at 14:20 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

EB1 Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

EB1-- SDG#: HAN04-03EB

Account No: 09710

Mobil Oil Corporation

Suite K20-6

114 West Franklin Ave.

Pennington NJ 08534

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AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

7106	Methane	4. J	2.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		02/01/00 0333	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		02/04/00 1058	Dawn Boley

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



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2216 Rev. 3/23/99



LLI Sample No. WW 3315208

Collected: 01/28/00 at 15:58 by AL

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW-7(24-2) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

7-242 SDG#: HAN04-04

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	3. J	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	140.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	240.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	1,300.	20.	ug/l
5395	cis-1,2-Dichloroethane	600.	20.	ug/l
5396	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	3. J	2.	ug/l
5398	1,1,1-Trichloroethane	840.	10.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	290.	10.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	110.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

Poor surrogate recoveries were observed for the GC/MS volatile fraction.
The analysis was repeated and poor surrogate recoveries were again observed
indicating a significant matrix effect.

7105 Volatile Headspace Hydrocarbon

1 COPY TO Xpert Design & Diagnostics LLC ATTN: Mr. Steve Magee
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
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362 0.00 00021600 ASR000



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Lancaster, PA 17605-2425
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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. WW 3315208

Collected: 01/28/00 at 15:58 by AL

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534
P.O.
Rel.

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW-7(24-2) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

7-242 SDG#: HAN04-04

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
7106	Methane	2,000.	200.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

LABORATORY CHRONICLE

ANALYSIS

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1	02/01/00 0400	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1	02/04/00 1106	Dawn Boley

 Questions? Contact your Client Services Representative
 De Brooks at (717) 656-2300

 Respectfully Submitted
 Erik Frederiksen, B.A.
 Group Leader, Water Quality

 Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425

Lancaster, PA 17605-2425

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2216 Rev. 3/23/99



LLI Sample No. WW 3315209

Collected: 01/28/00 at 16:45 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW-7(17-2) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

7-172 SDG#: HAN04-05

Account No: 09710

 Mobil Oil Corporation
 Suite K20-6
 114 West Franklin Ave.
 Pennington NJ 08534

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AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
---------	---------------	---------	-----------------	-------

7582 PPL + Xylene (total) by 8260

5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	140.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	250.	1.	ug/l
5391	Methylene Chloride	2.	J 2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	2.	J 2.	ug/l
5393	1,1-Dichloroethane	1,300.	20.	ug/l
5395	cis-1,2-Dichloroethene	670.	20.	ug/l
396	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	3.	J 2.	ug/l
5398	1,1,1-Trichloroethane	840.	10.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	300.	10.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	120.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l

Poor surrogate recoveries were observed for the GC/MS volatile fraction.
 The analysis was repeated and poor surrogate recoveries were again observed
 indicating a significant matrix effect.

7105 Volatile Headspace Hydrocarbon

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Questions? Contact your Client Services Representative
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Respectfully Submitted
 Jenifer E. Hess, B.S.
 Group Leader Pesticides/PCBs



LLI Sample No. WW 3315209

Collected: 01/28/00 at 16:45 by AL

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

MW-7(17-2) Grab Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

7-172 SDG#: HAN04-05

AS RECEIVED

METHOD

CAT NO.	ANALYSIS NAME	RESULTS	DETECTION LIMIT	UNITS
7106	Methane	2,000.	200.	ug/l
7107	Ethane	N.D.	1.	ug/l
7108	Ethene	N.D.	1.	ug/l

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		02/01/00 0427	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		02/04/00 1114	Dawn Boley

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425

Lancaster, PA 17605-2425

717-656-2300 Fax: 717-656-2631

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See reverse side for explanation of symbols and abbreviations.

2216 Rev. 3/23/99

LLI Sample No. **ww 3315210**

Collected: 01/28/00 at 16:00 by AL

Submitted: 01/29/00 Reported: 02/15/00
Discard: 03/17/00

DI Water Grab Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

DI--W SDG#: HAN04-06

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.

Ref.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	DETECTION LIMIT UNITS
7582	PPL + Xylene (total) by 8260			
5385	Chloromethane	N.D.	3.	ug/l
5386	Vinyl Chloride	N.D.	2.	ug/l
5387	Bromomethane	N.D.	3.	ug/l
5388	Chloroethane	N.D.	3.	ug/l
5389	Trichlorofluoromethane	N.D.	2.	ug/l
6888	Acrolein	N.D.	40.	ug/l
5390	1,1-Dichloroethene	N.D.	1.	ug/l
5391	Methylene Chloride	N.D.	2.	ug/l
6875	Acrylonitrile	N.D.	10.	ug/l
5392	trans-1,2-Dichloroethene	N.D.	2.	ug/l
5393	1,1-Dichloroethane	N.D.	2.	ug/l
5395	cis-1,2-Dichloroethene	N.D.	2.	ug/l
5396	Chloroform	N.D.	1.	ug/l
5402	1,2-Dichloroethane	N.D.	2.	ug/l
5398	1,1,1-Trichloroethane	N.D.	1.	ug/l
5399	Carbon Tetrachloride	N.D.	1.	ug/l
5401	Benzene	N.D.	1.	ug/l
5403	Trichloroethene	N.D.	1.	ug/l
5404	1,2-Dichloropropane	N.D.	1.	ug/l
5406	Bromodichloromethane	N.D.	1.	ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l
6307	cis-1,3-Dichloropropene	N.D.	1.	ug/l
6306	trans-1,3-Dichloropropene	N.D.	1.	ug/l
5408	1,1,2-Trichloroethane	N.D.	2.	ug/l
5411	Dibromochloromethane	N.D.	2.	ug/l
5419	Bromoform	N.D.	1.	ug/l
5407	Toluene	N.D.	2.	ug/l
5409	Tetrachloroethene	N.D.	1.	ug/l
5413	Chlorobenzene	N.D.	1.	ug/l
5415	Ethylbenzene	N.D.	2.	ug/l
6310	Xylene (Total)	N.D.	1.	ug/l
5421	1,1,2,2-Tetrachloroethane	N.D.	2.	ug/l
2010	Methyl t-butyl ether	N.D.	2.	ug/l

Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

7105 Volatile Headspace Hydrocarbon

1 COPY TO Xpert Design & Diagnostics LLC ATTN: Mr. Steve Magee
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
02:38:46 D 0002 7 130271 700923
362 0.00 00021600 ASR000



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2425 New Holland Pike
PO Box 12425
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717-656-2300 Fax: 717-656-2661

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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



LLI Sample No. WW 3315210

Collected: 01/28/00 at 16:00 by AL

Submitted: 01/29/00 Reported: 02/15/00

Discard: 03/17/00

DI Water Grab Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

DI--W SDG#: HAN04-06

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	DETECTION LIMIT	UNITS
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7106	Methane	N.D.	2.	ug/l	
7107	Ethane	N.D.	1.	ug/l	
7108	Ethene	N.D.	1.	ug/l	

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ID	ANALYSIS DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		02/01/00 0455	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		02/04/00 1122	Dawn Boley

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality

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See reverse side for explanation of symbols and abbreviations.

2216 Rev. 3/23/99



LLI Sample No. WW 3315211

Collected:

Submitted: 01/29/00 Reported: 02/15/00
Discard: 03/17/00

Trip Blank Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

TRB-- SDG#: HAN04-07TB

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534P.O.
Ref.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD DETECTION LIMIT UNITS
7582	PPL + Xylene (total) by 8260		
5385	Chloromethane	N.D.	3. ug/l
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5392	trans-1,2-Dichloroethene	N.D.	2. ug/l
5393	1,1-Dichloroethane	N.D.	2. ug/l
5395	cis-1,2-Dichloroethene	N.D.	2. ug/l
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402	1,2-Dichloroethane	N.D.	2. ug/l
5398	1,1,1-Trichloroethane	N.D.	1. ug/l
5399	Carbon Tetrachloride	N.D.	1. ug/l
5401	Benzene	N.D.	1. ug/l
5403	Trichloroethene	N.D.	1. ug/l
5404	1,2-Dichloropropane	N.D.	1. ug/l
5406	Bromodichloromethane	N.D.	1. ug/l
7583	2-Chloroethyl Vinyl Ether	N.D.	2. ug/l
6307	cis-1,3-Dichloropropene	N.D.	1. ug/l
6306	trans-1,3-Dichloropropene	N.D.	1. ug/l
5408	1,1,2-Trichloroethane	N.D.	2. ug/l
5411	Dibromochloromethane	N.D.	2. ug/l
5419	Bromoform	N.D.	1. ug/l
5407	Toluene	N.D.	2. ug/l
5409	Tetrachloroethene	N.D.	1. ug/l
5413	Chlorobenzene	N.D.	1. ug/l
5415	Ethylbenzene	N.D.	2. ug/l
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2010	Methyl t-butyl ether	N.D.	2. ug/l

Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

7105 Volatile Headspace Hydrocarbon

1 COPY TO Xpert Design & Diagnostics LLC ATTN: Mr. Steve Magee
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300
02:39:03 D 0002 7 130271 700923
362 0.00 00000000 ASR000



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Respectfully Submitted
Jenifer E. Hess, B.S.
Group Leader Pesticides/PCBs



Lancaster Laboratories
Where quality is a science.

LLI Sample No. WW 3315211
Collected:

Submitted: 01/29/00 Reported: 02/15/00
Discard: 03/17/00

Trip Blank Water Sample

LOC# WBS#

MOBIL: Hangar D - West Chester Airport - NY

TRB-- SDG#: HAN04-07TB

Account No: 09710

Mobil Oil Corporation
Suite K20-6
114 West Franklin Ave.
Pennington NJ 08534

P.O.
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	METHOD	DETECTION LIMIT	UNITS
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7106	Methane	N.D.	2.	ug/l	
7107	Ethane	N.D.	1.	ug/l	
7108	Ethene	N.D.	1.	ug/l	

LABORATORY CHRONICLE

CAT NO.	ANALYSIS NAME	METHOD	TRIAL	ID	ANALYSIS DATE AND TIME	ANALYST
7582	PPL + Xylene (total) by 8260	SW-846 8260B	1		02/01/00 0522	James J. Beyer
7105	Volatile Headspace Hydrocarbon	SW-846 8000B	1		02/04/00 1131	Dawn Boley

Questions? Contact your Client Services Representative
De Brooks at (717) 656-2300



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Respectfully Submitted
Erik Frederiksen, B.A.
Group Leader, Water Quality



Where quality is a science.

MOBIL ESTERIN REGIONAL ANALYSIS REQUEST/ CHAIN OF CUSTODY

For Lancaster Laboratories use only
Acct. #: 9710 Sample #: 3315205-1

SCR#: 1135214

Please print.

Analyses Requested box under each analysis.

Preservation Codes

Preservative Codes

H = HCl T = Thiosulfate
N = HNO₃ B = NaOH
S = H₂SO₄ O = Other

Mobil Consultant: XPERT DESIGN & DIAGNOSTICS LLC

Consultant Project Manager: Steve Magee

Consultant Phone #: 603 433 0191 Fax #: 603 431 4920

Location Code #: WBS #:

Site Address: Haygar D Westchester Airport state: NY

Sampler: Annette Lee

Mobil Engineer: Greg Hill

Sample Identification

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air
MU-7 (24-1)	1/28/00	11:26	X			X		
MU-7 (17-1)	1/28/00	12:45	X			X		
EB-1 (egorp blank)	1/28/00	14:20	X			X		
MU-7 (24-2)	1/28/00	15:58	X			X		
MU-7 (17-2)	1/28/00	16:45	X			X		
D1 WATER	1/28/00	16:00	X			X		
TRIP Blank						X		

Turnaround Time Requested (TAT) (please circle):

MOBIL STD. TAT

72 hour

48 hour

other _____ day Do not FAX

Data Package Options (please circle if requested)

QC Summary

GLP

SDG Complete?

Type I (Tier I)

Other

Site-specific QC required?

Type II (Tier II)

Disk

Yes (NO) (if yes, indicate QC sample and submit triplicate volume.

Type III (NI Red. Del.)

Type IV (CLP)

Type VI (R- Data)

Internal Chain of Custody required? Yes (NO)

Relinquished by: Steve Magee Date: 1/28/00 Time: 12:10

Relinquished by:

Date

Time

Received by: Steve Magee Date: 1/29/00 Time: 09:45

Temperature Upon Receipt 3.5 °C

Remarks

Analyze VOCs and low reporting limits - please contact Annette Lee if questions. Please fax results to # above and send copy to Steve Magee @ XDD

VOC Partitioning Calculation



COMPUTATION SHEET

Client Mobil
Site Westchester Co. Airport
Description Partitioning Calc.

Page 1 of 1
Job # 28034
Computed by A. Lee Date 3/3/00
Checked by S. Crawford Date 3/8/00

OBJECTIVE:

Determine whether 1,1-dichloroethane (11DCA) soil contamination in the vicinity of MW-2/SB-101 is resulting from or contributing to the VOC concentrations in the groundwater.

ASSUMPTIONS:

1. Use organic carbon content value from previous investigation (RI report, 1996). At MW-2, organic carbon ~ 0.8%. For this calculation, a more conservative value of 1% was used, since 0.8% was the lowest value.
2. Partitioning coefficient, K_d (unitless) = $K_{oc} \times f_{oc}$,
where K_{oc} (unitless) = octanol-carbon coefficient = 45.0 for 11DCA¹
 $f_{oc} = 1\% = 0.01$, as above.

$$\text{Therefore, } K_d = 45.0 \times 0.01 = 0.45$$

APPROACH:

1. Estimate soil concentration based on groundwater concentration in the vicinity of MW-2. Soil concentration, C_s (ug/Kg), = $C_{aq} \times K_d$
where C_{aq} (ug/L) = groundwater concentration = 2,700 ug/L (as of 11/99)
 $K_d = 0.45$, as above.

$$\text{Therefore, } C_s = 2,700 \times 0.45 = 1,215 \text{ ug/Kg}$$

2. Compare calculated C_s (1,215 ug/Kg) to actual 11DCA soil concentration at SB-101. Maximum concentration was detected in the capillary fringe at a concentration of 340 ug/Kg. The actual concentration is 3.5 times less than would be expected if the soil VOC concentration was contributing to the groundwater concentration.

CONCLUSION:

11DCA soil contamination in the vicinity of MW-2/SB-101 is a result of the VOC-impacted groundwater.

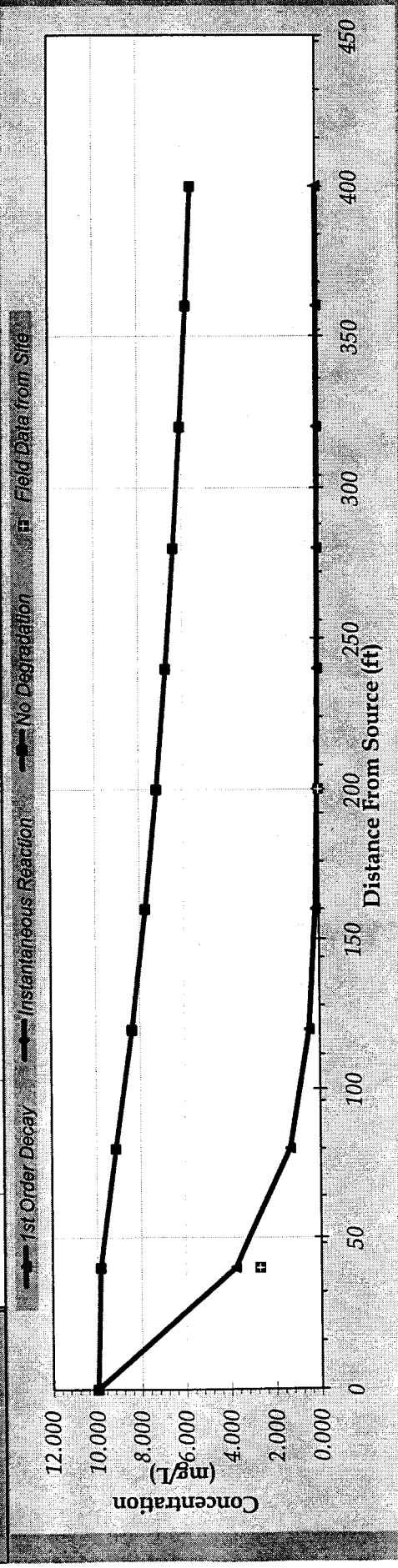
¹ J.H. Montgomery, "Groundwater Chemicals Desk Reference", Vol. 1 (or 2), Lewis Publishers; Chelsea, MI or J. Dracun, "The Soil Chemistry of Hazardous Materials"; The Hazardous Materials Control Research Institute, Silver Spring, MD; 1988

Bioscreen Modeling Results

Centerline Output
 Hangar D - Westchester County Airport

DISSOLVED HYDROCARBON CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

TYPE OF MODEL	Distance from Source (ft)									
	0	40	80	120	160	200	240	280	320	400
No Degradation	10.000	9.845	9.130	8.377	7.738	7.210	6.769	6.397	6.079	5.560
1st Order Decay	10.000	3.788	1.352	0.477	0.170	0.061	0.022	0.008	0.003	0.001
Inst. Reaction	10.000	9.845	9.130	8.377	7.738	7.210	6.769	6.397	6.079	5.560
Field Data from Site		2.700				0.005				



Calculate Animation

Return to Input

Recalculate This Sheet