Drumlin Environmental, LLC

Hydrogeologic and Engineering Consultants

May 25, 2004 LRIReport

Ms. Kathy Niziolek
Uncontrolled Sites Program
Division of Remediation
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

Subject: RI Report, PBWO- Casco Site

Dear Kathy:

We are please to submit two copies of the RI Report and Appendices at the former Portland Bangor Waste Oil site in Casco. The enclosed report incorporates technical and editorial comments provided by the Department and has been reorganized to discuss the site data and characterization by media, as we discussed at our last meeting.

As a result of the reorganization of the report, it was necessary to reorder several of the appendices. Please replace the previously submitted appendices with the enclosed copies.

We greatly appreciated the technical and logistical support that you and Hank Andolsek provided during the RI. Your input to the final report was valuable.

If you have any questions about the enclosed report, or if we can assist with any other follow-on monitoring or assessment, please contact me at any time. I will wait to hear from you regarding planning for a presentation of the RI to the Town of Casco.

Very truly yours,

Drumlin Environmental, LLC

Matthew D. Reynolds, P.E., C.G.

Encl: Remedial Investigation Report w/ Appendices (2 copies)

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APPENDIX A

DESCRIPTION OF INVESTIGATIVE METHODOLOGIES

APPENDICES TO
REMEDIAL INVESTIGATION REPORT
PORTLAND-BANGOR WASTE OIL SITE
CASCO, MAINE

MAY 2004

prepared for

Maine Department of Environmental Protection
State House Station #17
Augusta, Maine 04333

prepared by

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A variety of investigative methods were used during the RI process. Section 4 of the report text provides and overview of these activities. Additional information regarding specific procedures that were used are summarized in this appendix.

A.1 GEOPROBE SOIL BORINGS

On December 11 and 12, 2001, ESN North Atlantic of Scarborough, Maine advanced nine Geoprobe direct push borings (SB-31 to SB-39) within the gravel pit source area. Boring logs for explorations SB-31 to SB-39, conducted during the RI, are included in Appendix B. The Geoprobe was used to collect continuous 4-foot soil samples in locations intended to supplement data gathered by the MDEP in 1997. Geoprobe borings ranged in depth from 8 feet at SB-38 to 29.3 feet at SB-32. Each soil sample was recovered in a 4-foot long plastic sleeve. Once recovered, the plastic sleeve was cut open and examined for geologic characterization and visual evidence of residual chemicals (e.g., staining, odor, etc.). A reference subsample was placed in a Ziploc bag. In borings SB-31, SB-32, SB-33, SB-34, SB-36 and SB-39, soil samples were also collected for laboratory analysis.

Soil placed in the Ziploc bag was screened for the presence of volatile organic compounds (VOCs) using a Microtip photoionization detector (PID) equipped with a 10.6 mV lamp. The PID was calibrated to isobutylene span gas with a concentration of 103 parts per million (ppm). After placing soil in the Ziploc bag, the soil was allowed to equilibrate for at least 10 minutes before the headspace was sampled with the PID.

Soil intervals were selected for laboratory analysis based on several criteria, including visual or PID evidence of elevated VOCs within the soil material and evidence of low VOC concentrations at lateral and vertical boundaries. Soil selected for laboratory analysis was collected directly from the plastic sleeve. VOC samples were collected by pushing a calibrated plastic sampling tube directly into the soil core to collect a 10-gram aliquot of soil. This soil aliquot was placed in 40-ml vials preserved with methanol. DRO samples were collected with a clean stainless steel spoon and placed in clean 4-ounce jars provided by the laboratory. Soil samples for laboratory analysis were placed in a cooler with ice pending delivery to the laboratory.

A.2 GEOPROBE GROUNDWATER SAMPLING

During the RI, shallow groundwater in the overburden was sampled in several phases using a variety of equipment, including a track-mounted Geoprobe, hand-drive Geoprobe tools and hand augers. The exploration procedures are described below. Geoprobe screening explorations were identified as "GP-#".

- On December 20 and 21, 2001, ESN NorthAtlantic mobilized a track-mounted Geoprobe and mobile field laboratory to the site to sample and analyze groundwater. ESN, Drumlin and MDEP staff advanced probes at 14 locations along the eastern site boundary and extending approximately 600 feet downgradient of the property line. Borings were identified as GP-11 to GP-24-01. Each boring was advanced by pushing probe rods, with a

2 foot long slotted lead rod, several feet into the top of the saturated zone. Probe depths ranged from 8 feet to 22 feet below ground surface.

Once the probe was advanced to the target depth, disposable LDPE tubing was inserted into the probe rods and a groundwater sample pumped into a 40-ml vial using a peristaltic pump. Groundwater samples were carried to the on-site lab for VOC analysis, as described below in Section A.7.

At locations GP-12 and GP-14, samples were also collected from two depth intervals. After collecting a water sample from the first depth, the tubing was removed and the probe rods were advanced to a deeper interval where new tubing was used to collect a second sample.

At locations GP-11, GP-12, GP-13, GP-16 and GP-17, a ¾-inch diameter PVC piezometer with a 5-foot screen was inserted into the Geoprobe hole once the rods were removed. These piezometers were available to collect water level data to determine groundwater flow conditions in the overburden. Other probe holes were backfilled with available loose soil.

- On October 21, 2002, Drumlin and MDEP staff advanced additional Geoprobe borings downgradient of GP-20 to expand the monitoring network. Geoprobe rods with a slotted lead rod were advanced manually using a slide hammer. Groundwater samples were obtained from two locations (GP-24-02 and GP-25). Additional probe locations were attempted, however dense till subsoils prevented these borings from reaching the groundwater table.

  VOC samples were collected from GP-24-02 and GP-25 using disposable LDPE tubing and a peristaltic pump. Samples were submitted to Maine Environmental Laboratory (MEL) as described in Section 3.7.

- On October 28 and November 11, 2002 Drumlin and MDEP staff advanced 8 shallow borings (GP-26 to GP-33) near Decker Brook using a hand auger. Borings were augered to a depth between 4 and 6 feet (approximately 2 feet into the water table). A 2-foot length of 1-inch slotted PVC was pushed into each boring and backfilled with native cuttings. Groundwater was sampled from each location using disposable LDPE tubing and a peristaltic pump. Groundwater samples were submitted to MEL for VOC analysis as described in Section A.7.

- On September 22, 2003 Drumlin and MDEP staff advanced hand-driven borings in four locations (GP-40 to GP-43) on the east side of Decker Brook. Borings GP-40 and GP-41 were advanced using a hand auger. Borings GP-42 and GP-43 were advanced using Geoprobe tools driven with a slide hammer. One-inch PVC piezometers consisting of a 5-foot length of slotted screen and solid riser were installed in each boring. Piezometers were backfilled with native soil cuttings Each piezometer was sampled using LDPE tubing and a peristaltic pump. Groundwater samples were submitted to MEL for VOC analysis as described in Section 3.7.

- On December 9, 2003 ESN NorthAtlantic mobilized a track-mounted Geoprobe to the area east of Decker Brook. ESN, Drumlin and MDEP staff advanced five direct-push borings (GP-44 to GP-48). A 1-inch diameter PVC piezometer with a 5-foot screen was installed in each borehole. Each piezometer was sampled using LDPE tubing and a peristaltic pump. Groundwater samples were submitted to MEL for VOC analysis as described in Section 3.7.

A.3 BORINGS AND MONITORING WELLS

Conventional drilling techniques were used during two phases of the RI to install monitoring wells in the overburden and bedrock. The drilling and well installation procedures are described below. The well locations are shown in Figure 4.

- Between March 11 and March 20, 2002, Northeast Drilling mobilized a CME drilling rig mounted on a skidder to the site. Drumlin staff monitored the drilling and installation of four overburden monitoring wells designated MW-10B, MW-13B, MW-14B and MW-15B and four bedrock monitoring wells designated MW-10A, MW-11A, MW-12A and MW-13A.

  Drilling through the overburden was completed using 4-inch diameter driven casing. Drilling included the use of potable water from the Raymond Fire Station. Soil samples were collected at 5-foot intervals using a 24-inch split spoon sampler. Soil was placed in a reference jar, logged and the soil headspace was sampled using a PID following similar procedures as described in Section A.1. For bedrock borings, a one- to two- foot hole was drilled into the bedrock surface with a button bit once the casing reached refusal. The casing was then driven to seat into the bedrock. Once this was completed, the borehole was flushed with clean water and the wash tub was emptied of soil cuttings.

  Bedrock drilling was conducted with a 5 foot N-core barrel. At the completion of each coring run, the core was extruded from the barrel into a corebox and logged. Boring logs for all drilled wells are included in Appendix B.

  Overburden monitoring wells were installed in the 4-inch cased boreholes. Wells were constructed of 2-inch flush-threaded PVC with 0.01-inch slots of either 5- or 10-feet in length. The borehole annulus around the screen was backfilled with filter sand to at least one foot above the top of the screen. The borehole annulus above the filter pack was sealed with bentonite chips. The wells were completed with locking steel standpipes.

  Bedrock monitoring wells were installed in the 3-inch diameter core hole. The screen was installed within the top 20 feet of the bedrock, spanning fractures that appeared to be water bearing. If necessary, the corehole was backfilled with bentonite chips with an depth of 2 feet below the target screen depth. Then two feet of filter sand was added above the bentonite. Bedrock monitoring wells were constructed of 1-inch diameter flush-threaded PVC with 10-foot long 0.01-inch slots. The screen annulus was backfilled with filter sand and the well was sealed above the filter pack in a similar manner to the overburden wells. Bedrock wells were also completed with locking steel standpipes.

After installation was complete, each monitoring well was developed by pumping and surging using LDPE tubing and a peristaltic pump. Pumping and periodic surging was continued until the well was yielding water with low turbidity. Typical development time ranged from 1 to 2 hours.

- Between November 11 and December 12, 2002, Northeast Drilling remobilized the skidder rig to the site to drill an additional bedrock borehole at MW-13 and three new boreholes at MW-16, MW-17 and MW-18. Overburden drilling was accomplished with 4-inch driven casing. Drilling water was from the boat launch at nearby Pleasant Lake. Bedrock borings were drilled using H-core with a diameter of approximately 4 inches. Bedrock borings ranged in depth from 62 to 98 feet below the top of rock (total depth from 78 to 118 feet bgs).

  At the completion of each of the four bedrock boreholes, the open borehole was logged using caliper and single point resistivity logs. The geophysical logging data were used, along with visual observations of the rock core, to identify target screen locations.

  Nested bedrock monitoring wells, consisting of two 1-inch diameter wells, were installed in each borehole and designated MW-13Y/Z, MW-16A/B, MW-17A/B and MW-18A/B. The "A" screen was installed toward the bottom of the borehole. The "B" screen was installed above the "A" screen. In the case of MW-13, "Z" was installed at the bottom of the borehole and "Y" was installed above "Z". Monitoring well construction was as depicted on the boring logs (Appendix B). The bottom of the borehole was sealed with bentonite chips to a depth approximately 2 feet below the lower screen interval. Filter sand was installed around the annulus of the 10-foot screen and extended at least 2 feet above the screen. Bentonite chips were used to seal above the lower screen. Alternating layers of filter sand and bentonite chips were installed above the lower screen to within 2 feet of the upper screened interval. A second 1-inch screen was installed and the annulus backfilled with filter sand. The remainder of the borehole was sealed with bentonite chips. Each well nest was completed with a locking steel casing.

  Each well was developed by pumping and surging following installation in a manner similar to that described above.

A.4 BOREHOLE GEOPHYSICS

On December 4 and December 10, 2002, Northeast Geophysical Services, Inc. (NGS) mobilized to the site and worked with Drumlin staff to perform geophysical logging of the bedrock boreholes. In order to evaluate the groundwater flow characteristics within the bedrock and to identify possible water-bearing fractures, boreholes at MW-13, MW-16, MW-17 and MW-18 were logged using several borchole geophysical tools including:

- Temperature;
- Caliper;
- Resistance (MW-16 and MW-18);
- Spontaneous Potential (MW-16 and MW-18); and,

- Heat-pulse flowmeter.

The complete report prepared by NGS is included as Appendix C of this report. An overview of the logging procedures is provided in this section.

Logging Procedure. The initial scope of the geophysical work specified by Drumlin and approved by the MDEP included caliper and heat-pulse flow meter logs. On December 4, NGS and Drumlin used these logs to evaluate bedrock characteristics in boreholes at MW-13 and MW-17. At each borehole, NGS initially ran a combined temperature and caliper log. Temperature data were recorded as the probe was lowered to the bottom of the borehole. Data on the diameter of the borehole was measured with the Caliper tool as the probe was raised in the hole. Locations where there were abrupt changes in the borehole diameter were noted as potential water-bearing fractures and were identified as targets for the heat-pulse log.

After completing the temperature and caliper logs, the heat pulse log was lowered into the borehole. At periodical intervals (e.g., above and below potential fractures identified by the caliper log) the probe was stopped and the tool was used to measure (a) whether there was groundwater flow in the borehole and (b) whether the flow was upward or downward. While the probe was lowered, the flow measurements were made under ambient (non-pumping) conditions. After reaching the bottom of the borehole, a peristaltic pump was used to pump water from the borehole and the logging procedure was repeated from bottom to top, while water was pumped from the borehole.

On December 10, NGS returned to log MW-16 and MW-18. NGS included Resistance and Spontaneous Potential (SP) logs at these two boreholes to provide additional information about fractures identified on the caliper log. These logs are sensitive the electrochemical conditions associated with water filled fractures or water movement. The Resistance and SP logs were run after the caliper log and before the heat-pulse flow meter log.

Logging Results. The primary purpose of the geophysical logging was to identify water-bearing fractures where monitoring wells could be screened within the borehole. The heat-pulse flowmeter data provided the most direct measure of flow potential as summarized in Table A-1.

Table A-1
Geophysical Log Summary
PBWO-Casco Site

Borehole	Ambient Flow (gpm)	Flow Under Pumping (gpm)	Well Screens (ft, bgs)
MW-13	No Flow	• No Flow Below 100 ft • 90 ft: 0.09 flow up • 60-80ft: 0.13 up • 52 ft: increase to 0.015 ft up • 30 ft: increase from 0.19 to 0.21 ft up	Z: 81-91 ft Y: 46-56 ft
MW-16	Artesian Flow from top of well casing: • No Flow Below 69 ft • 61 to 51 ft: 0.16 flow up • 42 to top: 0.16 to 0.18 flow up	NA	A: 55-65 ft B: 23-33 ft
MW-17	• No Flow above 25 ft • 32 ft possible 0.45 down • 50 ft possible No Flow • 80 ft: 0.32 flow down • 90 ft: 0.12 flow down • 95 ft: 0.07 flow down	• Flow below 90 ft: 0.06 or less down • 65 to 80 ft: 0.32 to 0.35 down • Above 50 ft: 0.37 to 0.4 down	A: 77-87 ft B: 22-32 ft
MW-18	• 15 to 76 ft: 0.1 to 0.13 flow up • 83 ft: No Flow	• 83 ft: No Flow • 15 to 76 ft: 0.29 to 0.31 flow up	A: 70-80 ft B: 21-31 ft

A.5 WATER SAMPLING

Groundwater and surface water samples were collected during multiple phases of the RI. This section describes the sampling methodology used for (a) Geoprobe screening locations, (b) monitoring wells and (c) surface water.

A) **Groundwater Screening Locations:** Groundwater samples collected from the Geoprobe and hand auger borings were intended for screening analysis to delineate the presence and magnitude of VOCs in groundwater. Samples were typically collected from either a slotted Geoprobe rod or from a 1-inch PVC screen and were collected within a few hours of installation. The groundwater sampling procedure from these points was as follows.

- Clean LDPE tubing was inserted into the sampling point and clean silastic tubing was inserted into the peristaltic pump head.
- The pump was turned on at a low rate of flow (generally 200 to 300 ml/min).

- The water level in the well was monitored where possible and the pumping rate adjusted to attempt to stabilize drawdown within a few feet of static conditions.
- Pumping was continued for a 5 to 10 minute period and the clarity of the water was observed. If the water clarity was poor, pumping was continued for up to an additional 10 minutes.
- A sample was collected by pumping into 40-ml VOA vials. Samples GP-11 through GP-24-01 were analyzed in a mobile lab on-site and were not preserved during collection. These samples were hand carried to the lab within 30 minutes of collection. All other samples were collected in vials that were pre-preserved with hydrochloric acid and were delivered to MEL for off-site analysis.

B) **Monitoring Well Sampling:** The Geoprobe data was used to identify locations to install monitoring wells that could be sampled and monitored during and following the RI. These wells were installed using conventional drilling and installation procedures and were sampled using low-drawdown procedures described in the October 2001 *Site Characterization and Remedial Investigation Work Plan*, as amended by the MDEP in a November 13, 2001 memorandum. Sampling included:

1. Measuring the water depth in each well;
2. Placing dedicated LDPE tubing within the screened interval of the well;
3. Purging each well with a peristaltic pump at an initial rate of approximately 300 ml/min, then adjusting the pumping rate to establish stable drawdown conditions and minimize drawdown, with a target drawdown of less than 1 foot;
4. Monitoring effluent water quality for pH, Temperature, Specific Conductance, turbidity and Eh/ORP every 3 to 5 minutes;
5. Continuing to purge the well until the field parameters remain stable for 3 consecutive measurements;
6. Collecting the laboratory water sample by pumping directly into the appropriate container(s) supplied by the analytical laboratory.

Purging and sampling data were recorded on Field Sampling forms included in Appendix H of this report.

Upon collection, groundwater samples were placed in a cooler with ice and maintained at approximately 4 degrees Celsius. Chain-of-custody forms were filled out indicating the sample number, type of sample (groundwater), date and time of collection, preservation, and analyses requested. Samples were delivered to the laboratory by Drumlin and the date and time of sample transfer was recorded on the chain-of-custody form.

C) **Surface Water Sampling:** Surface water samples were collected in both the screening and well sampling phases of the RI. Samples were collected from (i) the wetland located northeast of the gravel pit and (ii) the unnamed stream that drains southeastward from the site toward Decker Brook. The sampling procedures for each location was similar and involved directly submerging the sample bottle into the surface water. During sampling, care was taken to stand downstream of the sampling location and to let any sediment entrained in the surface water to flow past the sampling location prior to collection. Where possible, samples

were collected by submerging the bottles approximately 0.5 feet below the water surface. Where the water depth was low, bottles were submerged to approximately one half of the water depth.

After collection, surface water samples were labeled, stored and handled in the same manner as groundwater samples.

A.6 SEDIMENT SAMPLING

The RI investigations included collection of sediment samples from two wetland areas near the gravel pit. One wetland was located adjacent to the eastern corner of the gravel pit. The second wetland was located south of the gravel pit, on adjoining land owned N/F by London.

Sediment samples were collected from both wetlands during the May 2002 sampling event. Sampling involved the procedures described below.

- The sampling location was identified and marked with a wooden stake;
- A hand auger was used to collect sediment from the top 6 inches of the sediment profile;
- VOC samples were collected from the bucket of the auger by pushing a calibrated plastic sampling tube into the sediment to collect a 10-gram aliquot, which was placed in a 40-ml vial and preserved with methanol;
- DRO samples were collected from the auger bucket using a clean stainless steel spoon; sediment was placed in clean 4-ounce jars provided by the laboratory.

Sediment sample jars and vials were labeled with the sample located, date, time and analytes and placed in a cooler with ice for delivery to the laboratory.

In April 2003, sediment was resampled at two locations (SW-1A and SW-2A) using similar sampling procedures. In addition to collecting VOC and DRO samples, sediment was also analyzed for polychlorinated biphenyls (PCBs) and lead after these compounds were detected in soil within the gravel pit.

3.7 LABORATORY ANALYSIS

Soil, sediment and water samples from the PBWO-Casco site were analyzed during the RI. During the initial phase of the investigation, water analyses were performed on-site in a mobile laboratory operated by ESN NorthAtlantic. During subsequent phases of investigation, water samples were analyzed by Maine Environmental Laboratory (MEL) of Yarmouth, Maine. All soil and sediment analyses were performed at MEL's fixed laboratory.

On-Site Analyses. On December 20 and 21, 2001, ESN NorthAtlantic mobilized a field laboratory to the PBWO-Casco site. The ESN laboratory included a HP-5890 Gas Chromatograph equipped with an electron capture detector (ECD) and a PID. Groundwater screening samples were analyzed for TCE, PCE and 1,2 DCE using SW-846 Method 8021B. Operation of the field laboratory was performed using the ESN ChemSite quality assurance procedures, which included 3-5 point calibration, dry weight correction, surrogate analysis,

opening and closing calibration checks, method blanks, sample dilution and reanalysis for samples that were outside of the calibration range.

Appendix G includes a narrative report and reports of analysis for the samples analyzed by ESN NorthAtlantic.

Laboratory Analyses. Soil, sediment and water samples collected during the RI were submitted to MEL for analysis using SW-846 methods.

During the course of the RI, the MDEP also collected water samples from four water supply wells at the nearby Hancock Lumber mill. All four sampled were submitted to MEL for analysis of DRO compounds using HETL Method 4.1.25. Two of the wells (PW Well and WW-Well) were used for non-potable manufacturing purposes and were analyzed for VOCs using SW-846 Method 8260B. Two of these wells (DW-Well and BB-Well) provided potable water to employees at the Mill and Bargain Barn, respectively. Samples from these two drinking water wells were analyzed by MEL for VOCs using SW-846 Method 524.2.

During the RI, the MDEP also drilled and installed a bedrock and overburden monitoring well (HL-1A and HL-1B, respectively) in the southwestern corner of the Hancock Lumber mill, near Decker Brook. These monitoring wells were installed independently from the RI to assess conditions at the mill. However, the MDEP has provided analytical data from these wells to assist in the downgradient groundwater characterization. These wells were sampled by the MDEP staff and submitted to HETL for analysis of DRO (Method 4.1.25) and VOCs (Method 8260).

Additionally, the MDEP conducted periodic sampling of the domestic water supply at the London home on Lot 12A, north of the gravel pit. The MDEP also collected samples from other nearby residences (Johnson, Dunfee, Gregory) during 2002. Domestic water samples were collected by MDEP staff and analyzed at the Maine Health and Environmental Testing Laboratory (HETL) in Augusta. Appendix I includes reports from HETL for data that are included in this report. The laboratory reports include references to the analytical methods used for these samples.

A.8 SITE SURVEY

All explorations conducted during the RI were located by Survey, Inc. under the supervision of a registered professional land surveyor (PLS). Survey, Inc. prepared a topographic survey of the gravel pit area and the downgradient area extending to Decker Brook. The topographic survey includes 2-foot elevation contour intervals. Survey, Inc. also determined the horizontal location of all explorations to an accuracy of 1 foot. The vertical elevation of explorations was determined to an accuracy of 0.01 foot. In the later phases of the RI, several explorations were conducted on the east side of Decker Brook. These explorations were located by the MDEP using a Trimble GPS. Survey, Inc. determined the vertical elevation of these explorations using the same techniques used for the explorations on the west side of the brook. A survey basemap is included in the rear pocket of the main report.

APPENDIX B

BORING LOGS

Drumlin Environmental
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LOG OF BORING MW-10A

Project:	PBWO-CASCO	Surface Elev.:	418.1
Job No.:	01-007	Top of Casing Elev.:	421.33
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
418.1	0				Brown Fine SAND, Trace Medium Sand and Silt.			
415	5		S-1	35		23	6,11,12,14 PID Headspace = 7.7 ppm	Filter Sand
410								
409.1	10		S-2	43	Gray and Brown Fine to Medium SAND, Trace to Little Coarse Sand, Little Gravel, Little Silt, Dense (TILL)	108	24,48,60,38 PID Headspace = 8.5 ppm	
405	15		S-3	50		61	29,31,30,30 PID Headspace = 6.0 ppm	
400	20		S-4	55		92	24,40,52,56 PID Headspace = 3.5 ppm	Bentonite Chips
395	25		S-5	30		87	11,21,66,100 PID Headspace = 3.2 ppm	
390.6					Gray to Pink GRANITE Friable to 34 ft Regular breaks every 0.2 to 0.3 ft A few semi-vertical seams			
390	30				*Continued Next Page*			

Completion Depth:	47.0
Date Boring Started:	3/11/02
Date Boring Completed:	3/12/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting, UD, Vane Shear, Penetrometer, SPT, Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

LB CASCOWELLS01007.GPJ DRUMLIN ENV.GDT 3/26/04

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LOG OF BORING MW-10A
(continued)

Project:	PBWO-CASCO	Surface Elev.:	418.1
Job No.:	01-007	Top of Casing Elev.:	421.33
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	30		R-1	54		0%		2" PVC Riser
385								
	35		R-2	100		0%		10-Slot Screen
380								
	40		R-3	74		0%		
375								
	45		R-4	80		0%		
371.1					Bottom of Boring = 47 ft			
370.6								

Completion Depth:	47.0
Date Boring Started:	3/11/02
Date Boring Completed:	3/12/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

LB CASCOWELLS01007.GPJ DRUMLIN ENV.GDT 3/26/04

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LOG OF BORING MW-10B

Project:	PBWO-CASCO	Surface Elev.:	418.3
Job No.:	01-007	Top of Casing Elev.:	421.55
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
418.3	0				See MW-10A for Lithologic Descriptions			Filter Sand
415	5							Bentonite Chips
410								2" PVC Riser
409.3	10							
405	15							10-Slot Screen
400								
399.3					Bottom of Boring = 19 ft			
398.8								

Completion Depth:	19.0
Date Boring Started:	3/12/02
Date Boring Completed:	3/12/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

LB CASCOWELLS01007.GPJ DRUMLIN ENV.GDT 3/26/04

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LOG OF BORING MW-11A

Project:	PBWO-CASCO	Surface Elev.:	406.4
Job No.:	01-007	Top of Casing Elev.:	409.37
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
406.4	0				Gray and Brown Fine to Medium SAND, Trace to Little Coarse Sand, Little Gravel, Little Silt, Dense (TILL)			
405			S-1	35		46	17,16,30,23 PID Headspace = 1.5 ppm	
400	5							
395	10		S-2	55		33	16,17,16,17 PID Headspace = 1.2 ppm	Bentonite Chips
390.4	15		S-3			48	16,26,22,34 PID Headspace = 1.7 ppm	
390					BASALT			
388.4			R-1	0		0%		
385	20							
383.4			R-2	50		0%		2" PVC Riser
381.4	25		R-3	20	Vertical fractures with weathered seams GRANITE Inclusion at 29.5 ft	0%		
380								
	30							

Continued Next Page

Completion Depth:	42.0
Date Boring Started:	3/19/02
Date Boring Completed:	3/20/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting, Vane Shear, SPT, UD, Penetrometer, Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

LB CASCOWELL.S01007.GPJ DRUMLIN ENV.GDT 3/26/04

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LOG OF BORING MW-11A
(continued)

Project:	PBWO-CASCO	Surface Elev.:	406.4
Job No.:	01-007	Top of Casing Elev.:	409.37
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
376.4	30		R-4	100		29%		
375.4					GRANITE, Gray			
375					Vertical weathered seams			Filter Sand
371.9	35		R-5	100		0%		
370					Horizontal breaks Somewhat friable			10-Slot Screen
367.9			R-6	100		0%		
366.1	40				BASALT			
365								
364.4								
363.9					Bottom of Boring = 42 ft			

Completion Depth:	42.0
Date Boring Started:	3/19/02
Date Boring Completed:	3/20/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-12A

Project:	PBWO-CASCO	Surface Elev.:	409.2
Job No.:	01-007	Top of Casing Elev.:	412.15
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
409.2	0				Brown Fine SAND			
			S-1	65		17	4,6,11,12	
405	5						PID Headspace = 2.5 ppm	
			S-2	60		30	9,12,18,30	
400	10						PID Headspace = 2.5 ppm	
398.2					Gray and Brown Fine to Medium SAND, Trace to Little Coarse Sand, Little Gravel, Little Silt, Dense (TILL)			
395	15		S-3	50		24	9,12,12,9	
							PID Headspace = 1.7 ppm	Bentonite Chips
390	20		S-4	50		27	12,15,12,13	
							PID Headspace = 1.2 ppm	
385	25		S-5	50		95	25,45,50,50	
							PID Headspace = 1.6 ppm	
381.7					PEGMATITE			
380	30							

Continued Next Page

Completion Depth:	48.0
Date Boring Started:	3/17/02
Date Boring Completed:	3/19/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-12A
(continued)

Project:	PBWO-CASCO	Surface Elev.:	409.2
Job No.:	01-007	Top of Casing Elev.:	412.15
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
378.2	30		R-1	100	BASALT, Dark Gray, Fine Grained Weathered vertical fractures CLAY seam 31.8 to 32 ft	23%		2" PVC Riser
375.2 375	35		R-2	47	Few weathered fractures Additional Clay seams possible (low recovery)	21%		
371.4			R-3	91	Near vertical weathered seams Softer zone 42 to 42.7 ft	26%		
370	40							10-Slot Screen
366.7			R-4		Softer zones at 43.5 to 43.7 ft and 44.2 to 44.5 ft	0%		
365 364.7	45		R-5	100	Highly weathered zones at 45 to 45.5 ft and 47.5 to 48 ft	0%		Filter Sand
361.2 360.7					Bottom of Boring = 48 ft			

Completion Depth:	48.0
Date Boring Started:	3/17/02
Date Boring Completed:	3/19/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-13A

Project:	PBWO-CASCO	Surface Elev.:	406.6
Job No.:	01-007	Top of Casing Elev.:	409.61
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
406.6	0				Brown Fine to Medium SAND			
405					Damp near 5 ft			
			S-1	75		16	6,10,6,70	
402.1	5				Gray to Brown Medium SAND, Little Fine & Coarse Sand, Little Gravel (Subrounded), Trace Silt, Wet (TILL)		PID Headspace = 7.9 ppm	
400					Less gravel with depth			
			S-2	65		50	25,30,20,22	
	10						PID Headspace = 150 ppm	
395								Bentonite Chips
			S-3	50		19	12,10,9,9	
	15						PID Headspace = 45 ppm	
390								
388.1								
	20							
385.6			R-1	76	Gray GRANITE	11%		
385					Competent with subvertical fractures 21 to 23 ft			
					More weathered and friable 23 to 25.5 ft			2" PVC Riser
	25							
381.1			R-2	100	Regular fractures and vertical seams 25.5 to 28.4 ft	42%		
380					Competent 28.4 to 30.5 ft; fracture at 29.1 ft			
								10-Slot Screen
	30							

Continued Next Page

Completion Depth:	39.0
Date Boring Started:	3/14/02
Date Boring Completed:	3/14/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-13A
(continued)

Project:	PBWO-CASCO	Surface Elev.:	406.6
Job No.:	01-007	Top of Casing Elev.:	409.61
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
376.1	30		R-3	100	Subvertical and horizontal fractures throughout Pegmatite seam at 31.6 to 32.1 ft	0%		
375								
371.6	35				PEGMATITE			Filter Sand
371.1			R-4	100	Regular fractures 35.5 to 37.5 ft Fracture at 38.1 ft	43%		
370								
367.6								
367.1					Bottom of Boring = 39 ft			

Completion Depth:	39.0
Date Boring Started:	3/14/02
Date Boring Completed:	3/14/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting, UD, Vane Shear, Penetrometer, SPT, Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-13B

Project:	PBWO-CASCO	Surface Elev.:	407.4
Job No.:	01-007	Top of Casing Elev.:	410.15
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/N-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
407.4	0				See MW-13A for Lithologic Descriptions			Filter Sand
405								Bentonite Chips
402.9	5							2" PVC Riser
400								
	10							10-Slot Screen
395								
	15							
390.9					Bottom of Boring = 16.5 ft			
390.4								

Completion Depth:	16.5
Date Boring Started:	3/15/02
Date Boring Completed:	3/15/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-13Y/Z

Project:	PBWO-CASCO	Surface Elev.:	407.5
Job No.:	01-007	Top of Casing Elev.:	410.09/410.14
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
407.5	0				See MW-13A for Lithologic Description			
405								
403.0	5							
400								
	10							
395								
	15							
390								
389.0					Top of rock Not cored			
	20							
385.5								
385			R-1	100	BASALT, Fine Grain, Dark Gray	0%		
384.5			R-2	100	Breaks at 23.2, 23.9, 24.1, 25.8 - 26.3, 26.9, 27.7, 27.9 ft	48%		
	25							
380								
379.5			R-3	100	Rubble 28 to 29.7 ft, Vertical fracture 29.7 to 30.1 ft	22%		
	30							

Continued Next Page

Completion Depth:	118.0
Date Boring Started:	11/12/02
Date Boring Completed:	11/15/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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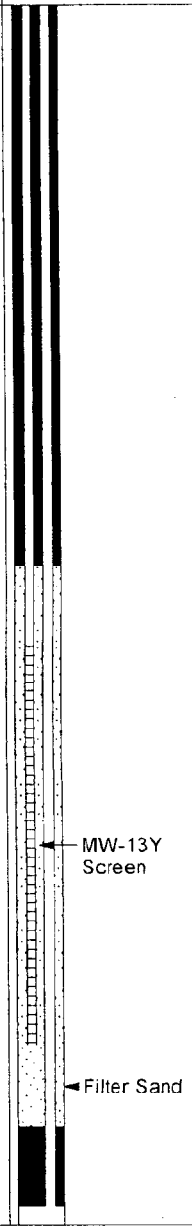
LOG OF BORING MW-13Y/Z
(continued)

Project:	PBWO-CASCO	Surface Elev.:	407.5
Job No.:	01-007	Top of Casing Elev.:	410.09/410.14
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS
377.4	30			GRANITE, Medium Grain, Light Gray Breaks at 30.7, 32.2, 32.6 ft		
374.8				PEGMATITE		
374.5		R-4	100	Break at 32.8 ft	44%	
373.3	35			Breaks at 33.3, 33.6, 34 ft GRANITE, White Rubble 35.4 to 35.8 Breaks at 36.7, 37.4, 37.9		
370						
369.5		R-5	100	Rubble 38 to 30.4 ft Breaks at 39.6, 39.8, 39.1 ft	30%	
368.3	40			BASALT, Fine Grain, Dark Gray Breaks at 39.8, 40, 40.6, 40.8, 41, 41.7, 42, 42.6 ft Nearly vertical fracture 42.6 to 43 ft		
365						
364.5		R-6	100	Irregular breaks every 0.3 to 0.6 ft	28%	
	45					
360						
359.5		R-7	100	Irregular breaks every 0.3 to 0.5 ft	0%	
	50					
355						
354.5		R-8	100	Breaks at 54.1, 54.7, 55.2, 56.2, 56.7 ft	76%	
	55					
350						
349.5		R-9	100	Breaks at 58.8, 59, 59.2, 59.4, 60, 60.5 ft	74%	
	60					

Continued Next Page

WELL INSTALLATION DETAILS



Completion Depth:	118.0
Date Boring Started:	11/12/02
Date Boring Completed:	11/15/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-13Y/Z
(continued)

Project:	PBWO-CASCO	Surface Elev.:	407.5
Job No.:	01-007	Top of Casing Elev.:	410.09/410.14
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	60							
345 / 344.5			R-10	100	Weathering 63 to 65 ft Rubble 63.3 to 63.5 ft Breaks every 0.2 to 0.3 ft, 63.5 to 65.3 ft Breaks at 66.5, 67.5 ft	40%		
	65							
340 / 339.5			R-11	100	Weathering 70.3 to 71.5 ft Irregular breaks every 0.4 to 0.8 ft	54%		Bentonite Chips
	70							
335 / 334.5			R-12	100	GRANITE Inclusion from 77.3 to 77.8 ft Weathering 73.9 to 75.3 ft Irregular breaks every 0.2 to 0.5 ft	12%		
	75							
330 / 329.5			R-13	100	Irregular breaks 0.2 to 0.5 ft, 78 to 82.6 ft Rubble 82.6 to 83 ft	0%		1" PVC Riser
	80							
325 / 324.5			R-14	40	Mixed GRANITE and BASALT Rubble	0%		10-Slot Screen
322.5	85				No Recovery			
320 / 319.5		+ + +	R-15	100	Half GRANITE and Half BASALT Contact Regular breaks every 0.1 to 0.3 ft from 88 to 89.2 ft and 92 to 93 ft	0%		MW-13Z Screen
	90							

Continued Next Page

Completion Depth:	118.0
Date Boring Started:	11/12/02
Date Boring Completed:	11/15/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting, UD, Vane Shear, Penetrometer, SPT, Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-13Y/Z
(continued)

Project:	PBWO-CASCO	Surface Elev.:	407.5
Job No.:	01-007	Top of Casing Elev.:	410.09/410.14
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	90				Rubble and small breaks 89.2 to 92 ft			
315								
314.5			R-16	100	Rubble 94.2 to 95 ft Irregular breaks every 0.2 to 0.4 ft	14%		
	95							
310.7					GRANITE Break at 97.5 ft			
310								
309.5			R-17	100	Breaks every 0.2 ft, 98 to 99.2 ft Breaks at 100.3, 101.2, 101.5, 102.4 ft	50%		
	100							
305					Half GRANITE and Half BASALT Contact			
304.5			R-18	100	Break at 102.8 ft Break at 104.1 ft	78%		
302.6	105				BASALT Breaks at 105.5, 105.9, 106.3, 106.7 ft			
300								
299.5			R-19	100	Breaks at 108.2, 108.8 ft	80%		
298.2					GRANITE, Pink Breaks at 110.7, 111.3, 111.6 ft			
	110							
295								
294.5			R-20	100	Breaks at 115.7, 116.4, 116.6, 117.1 ft	86%		
	115							
290								
289.5					Bottom of Boring = 118 ft			
289.0								

Completion Depth:	118.0
Date Boring Started:	11/12/02
Date Boring Completed:	11/15/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-14B

Project:	PBWO-CASCO	Surface Elev.:	391.4
Job No.:	01-007	Top of Casing Elev.:	394.26
Location:	CASCO, MAINE	Drilling Method:	CASING
Coordinates:		Sampling Method:	SPT

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
391.4	0							
390								2" PVC Riser
387.4	5		S-1	70	Gray & Brown Medium SAND, Little Fine & Coarse Sand, Little Gravel, Trace Silt, Wet (TILL)	44	17,21,23,24 PID Headspace = 0 ppm	Bentonite Chips
385								10-Slot Screen
382.2					Bottom of Boring = 9.2 ft			Filter Sand
381.7								

Completion Depth:	9.2
Date Boring Started:	3/13/02
Date Boring Completed:	3/13/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-15B

Project:	PBWO-CASCO	Surface Elev.:	382.4
Job No.:	01-007	Top of Casing Elev.:	385.29
Location:	CASCO, MAINE	Drilling Method:	CASING
Coordinates:		Sampling Method:	SPT

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
382.4	0							
380								Bentonite Chips
								2" PVC Riser
377.4	5		S-1	30	Brown, Medium SAND, Little Fine & Coarse Sand, Trace Gravel, Trace Silt, Wet (TILL)	34	12,14,20,13 PID Headspace = 0 ppm	
375								10-Slot Screen
373.0								Filter Sand
372.5					Bottom of Boring = 9.4 ft			

Completion Depth:	9.3
Date Boring Started:	3/13/02
Date Boring Completed:	3/13/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-16A/B

Project:	PBWO-CASCO	Surface Elev.:	329.0
Job No.:	01-007	Top of Casing Elev.:	333.7/333.53
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS
329.0	0				Red-Brown Fine SAND, Trace Medium and Coarse Sand		
325	5		S-1	50		35	10,14,21,30
321.5					Gray and Brown Fine to Coarse SAND, Trace Silt, Some Gravel, Dense (TILL)		
320	10		S-2	50		85	83,55,30,26
315	15						
313.0							
310.0	20		R-1	100	GRANITE, Pinkish. Rubble to 20.6 ft Lightly weathered breaks at: 21, 21.6, 22.1 ft	35%	
306.0			R-2	100		50%	
305	25				Rubble 23 to 25 ft Breaks at 25.5, 26.5, 27.9 ft		
301.0			R-3	100		0%	
300	30						

Continued Next Page

WELL INSTALLATION DETAILS: MW-16B Screen

Completion Depth:	78.0
Date Boring Started:	11/20/02
Date Boring Completed:	12/11/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types: Auger Cutting; Vane Shear; SPT; UD; Penetrometer; Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

LB CASCOWELLS01007.GPJ DRUMLIN ENV.GDT 3/26/04

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LOG OF BORING MW-16A/B
(continued)

Project:	PBWO-CASCO	Surface Elev.:	329.0
Job No.:	01-007	Top of Casing Elev.:	333.7/333.53
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	30				Regular breaks at 0.2 to 0.3 ft intervals 28 to 33 ft			
296.0			R-4	100		0%		
295	35				Rubble 33 to 33.4 ft Near vertical fracture 35.9 - 36.7 ft Regular weathered breaks every 0.2 to 0.3 ft			Bentonite Chips
291.0			R-5	100		0%		
290	40				Rubble 39.9 to 40.7 ft Regular breaks every 0.1 to 0.2 ft 38 to 39.9 ft and 40.7 to 43 ft			
286.0			R-6	100		24%		Filter Sand
285	45				Rubble 43 to 44.7 ft Breaks at 45.3, 45.8, 46.4 47, 47.6 ft Vertical break 47.6 to 48 ft			
281.0			R-7	100		12%		
280	50				Regular breaks every 0.1 to 0.2 ft 48 to 51 ft Breaks at 51.3, 51.9, 52.3, 52.7 ft Friable rubble 52.7 to 53 ft			
276.0			R-8	100	GRANITE, White.	0%		1" PVC Riser
275	55				Regular breaks every 0.1 to 0.3 ft			MW-16A Screen
271.0			R-9	100		14%		
270	60							

Continued Next Page

Completion Depth:	78.0
Date Boring Started:	11/20/02
Date Boring Completed:	12/11/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-16A/B
(continued)

Project: PBWO-CASCO
Job No.: 01-007
Location: CASCO, MAINE
Coordinates:

Surface Elev.: 329.0
Top of Casing Elev.: 333.7/333.53
Drilling Method: CASING/CORE
Sampling Method: SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	60				Regular breaks every 0.2 to 0.3 ft			10-Slot Screen
266.0			R-10	100	GRANITE, changes to Pinkish, 64.5 to 67 ft GRANITE, changes back to White at 67 ft	12%		
265	65				Rubble 63 to 64.1 ft Breaks every 0.3 to 0.4 ft, 64.9 to 68 ft			
261.0			R-11	100		0%		
260	70				Rubble 68 to 68.4 ft and 72.1 to 73 ft Regular 0.2 to 0.4 ft breaks 68.4 to 72.1 ft			
256.0			R-12	100		12%		
255	75				Regular breaks every 0.2 to 0.4 ft			
251.0								
250.5					Bottom of Boring = 78 ft			

Completion Depth: 78.0
Date Boring Started: 11/20/02
Date Boring Completed: 12/11/02
Engineer/Geologist: M. REYNOLDS
Drilling Contractor: NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-16C

Project:	PBWO-CASCO	Surface Elev.:	328.6
Job No.:	01-007	Top of Casing Elev.:	331.32
Location:	CASCO, MAINE	Drilling Method:	CASING
Coordinates:		Sampling Method:	

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
328.6	0				Red-Brown SAND (see log of MW-16A)			Bentonite Chips
325	5							2" PVC Riser
321.1					TILL			
320	10							10-Slot Screen
315								
313.5	15				Bottom of Boring = 15.1 ft			Filter Sand
313.1								

Completion Depth:	15.0
Date Boring Started:	11/21/02
Date Boring Completed:	11/21/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-17A/B

Project:	PBWO-CASCO	Surface Elev.:	369.9
Job No.:	01-007	Top of Casing Elev.:	372.59/372.47
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
369.9	0				Fine SAND overTILL (No sampling in overburden)			
365	5							
360	10							
355	15							
353.4					Top of Rock = 16.5 ft			
350.9					GRANITE, Pinkish, Weathered, Medium Grain			
350	20				Rubble to 20 ft Breaks at 21.5, 21.9, 22.6, 22.8 ft			
346.9					Rubble to 25 ft Weathered breaks every 0.2 to 0.4 ft from 25 to 27 ft Nearly vertical fracture 27 to 27.6 ft Break at 27.8 ft			
345	25							
341.9					Breaks every 0.2 to 0.4 ft Nearly vertical fractures 28.9 to 29.3 ft and 30.7 to			
340	30				*Continued Next Page*			MW-17B Screen

Completion Depth:	97.5
Date Boring Started:	11/21/02
Date Boring Completed:	12/12/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-17A/B
(continued)

Project:	PBWO-CASCO	Surface Elev.:	369.9
Job No.:	01-007	Top of Casing Elev.:	372.59/372.47
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	30				31.1 ft			
337.9					PEGMATITE, Pinkish			
336.9					Vertical fracture 32.3 to 32.6 ft Breaks at 32.1 and 32.9 ft Rubble 33.4 ro 36 ft Nearly vertical fracture 33.6 to 34.3 ft Breaks at 37.8 and 37.9 ft			
335	35							
331.9								
331.4					BASALT Rubble 39.2 to 39.7 ft Break at 40.5 ft			
330	40							
328.9					GRANITE, Highly Weathered			Filter Sand
326.9					Rubble 41.3 to 43 ft			
325	45							
322.9					GRANITE, Pink, Competent			
321.9					Nearly vertical fracture 48.9 to 49.5 ft Breaks at 49.9, 50.8, 51.4, 51.7, 52 ft			Bentonite Chips
320	50							
317.4					PEGMATITE			
316.9					Breaks at 53.1, 54.3, 54.5, 54.8 ft Rubble 56.1 to 56.3 ft			
315	55							
313.4					GRANITE, Pink			
311.9					Breaks at 57.3 and 57.6 ft Breaks at 58.2, 58.5, 59, 59.3, 60, 61.4 ft Grades to White GRANITE at 62.2 ft			
310	60							

Continued Next Page

Completion Depth:	97.5
Date Boring Started:	11/21/02
Date Boring Completed:	12/12/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-17A/B
(continued)

Project:	PBWO-CASCO	Surface Elev.:	369.9
Job No.:	01-007	Top of Casing Elev.:	372.59/372.47
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	60							
306.9					Grades to Pink GRANITE at 65.5 ft			
305	65				Breaks at 65.6, 66.2, 67 ft Nearly vertical fracture 65.8 to 66 ft Rubble 67.5 to 68 ft			1" PVC Riser
301.9					Rubble 68 to 72.3 ft Break at 72.7 ft			
300	70							
296.9					Breaks every 0.2 to 0.3 ft from 73 to 74.2 ft Nearly vertical fracture 74.2 to 74.9 ft Rubble 75.3 to 78 ft			
295	75							
291.9					Breaks every 0.2 to 0.3 ft from 78 to 79.5 ft Breaks at 81.2, 81.7, 82.2, 82.9 ft			
290	80							10-Slot Screen
286.9					Breaks at 83.3, 85.6, 86, 86.6, 87.7, 87.9 ft Vertical fractures 84 to 84.2 ft and 84.4 to 85.4 ft			
285	85							MW-17A Screen
281.9					Breaks at 88.1, 88.5, 88.8, 89.1 ft			
280	90							

Continued Next Page

Completion Depth:	97.5
Date Boring Started:	11/21/02
Date Boring Completed:	12/12/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting, UD, Vane Shear, Penetrometer, SPT, Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-17A/B
(continued)

Project: PBWO-CASCO
Job No.: 01-007
Location: CASCO, MAINE
Coordinates:

Surface Elev.: 369.9
Top of Casing Elev.: 372.59/372.47
Drilling Method: CASING/CORE
Sampling Method: SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
279.6	90				BASALT			
278.6					GRANITE			
276.9					Break at 91.5			
275	95				Breaks at 93.2, 93.6, 93.9, 94.5 ft Nearly vertical fracture 94.8 to 95.4 ft			
272.4								
271.9					Bottom of Boring = 97.5 ft			

Completion Depth: 97.5
Date Boring Started: 11/21/02
Date Boring Completed: 12/12/02
Engineer/Geologist: M. REYNOLDS
Drilling Contractor: NE DRILLING

Sample Types:
Auger Cutting
Vane Shear
SPT
UD
Penetrometer
Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-18A/B

Project:	PBWO-CASCO	Surface Elev.:	359.0
Job No.:	01-007	Top of Casing Elev.:	361.73/361.69
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS
359.0	0				TILL (No sampling in overburden)		
355	5						
350							
349.5	10		R-1	88	GRANITE, White, Weathered Rubble	0%	
346.0			R-2	100	Breaks every 0.8 to 1 ft Nearly vertical fractures 13.3 to 13.6 ft and 17 to 18 ft	80%	
345	15						
341.0			R-3	100	Breaks at 18.3, 19.3, 19.5 ft	34%	
340							
339.3	20				PEGMATITE Breaks at 20.3, 20.7, 21.3, 22.2, 22.7, 22.9 ft		
336.0			R-4	100	Break at 23.8	56%	
335.8					GRANITE, White		
	25				Breaks every 0.4 to 0.6 ft		
331.0			R-5	100		84%	
330					Breaks at 28.2, 29.4, 30, 30.9, 31.3, 32.2 ft		
	30						

Continued Next Page

WELL INSTALLATION DETAILS

Completion Depth:	85.0
Date Boring Started:	
Date Boring Completed:	12/18/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
Auger Cutting, UD, Vane Shear, Penetrometer, SPT, Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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LOG OF BORING MW-18A/B
(continued)

Project:	PBWO-CASCO	Surface Elev.:	359.0
Job No.:	01-007	Top of Casing Elev.:	361.73/361.69
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	30							
326.0			R-6	100	Nearly vertical fracture 33 to 33.4 ft Breaks at 33.6, 33.8, 34.3, 35.2, 35.7, 37.9 ft	60%		
325	35							
321.0			R-7	100	Breaks at 38.8, 39.9, 40.4, 41, 41.3, 41.8, 42.3, 42.8 ft	34%		
320	40							
316.0			R-8	100	Breaks at 43.3, 44.6, 45, 46.1, 46.3, 46.6, 47.2 ft	80%		
315	45							
311.0			R-9	100	Nearly vertical fracture 48.2 to 48.7 ft Breaks at 49.5, 50.4, 50.9, 52.2, 52.8 ft	86%		Filter Sand
310	50							
306.0			R-10	100	Nearly vertical fractures 53.7 to 54, 55.1 to 55.5, 56.3 to 56.7 ft Breaks at 57, 57.3, 57.7 ft	60%		Bentonite Chips
305	55							
301.0			R-11	100	Vertical fractures 59 to 59.6 ft Breaks at 58.3, 58.7, 60, 60.8, 61.8, 61.7 ft	54%		
300	60							

Continued Next Page

Completion Depth:	85.0
Date Boring Started:	
Date Boring Completed:	12/18/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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Drumlin Environmental
P.O. Box 392 Portland, Maine 04112
(207) 771-5546 FAX (207) 771-5547

LOG OF BORING MW-18A/B
(continued)

Project:	PBWO-CASCO	Surface Elev.:	359.0
Job No.:	01-007	Top of Casing Elev.:	361.73/361.69
Location:	CASCO, MAINE	Drilling Method:	CASING/CORE
Coordinates:		Sampling Method:	SPT/H-Core

Elevation, feet	Depth, feet	Graphic Log and Sample Types	Sample No.	% Recovery	MATERIAL DESCRIPTION	SPT, N value or RQD %	COMMENTS	WELL INSTALLATION DETAILS
	60							
296.0			R-12	100	Breaks at 63.2, 63.5, 65.3, 67, 67.2 67.9 ft Nearly vertical fracture 63.5 to 65.2 ft	48%		
295	65							
291.0			R-13	100	Breaks at 68.3, 69.9, 71, 72.2 ft	90%		1" PVC Riser
290	70							
286.0			R-14	100		70%		10-Slot Screen
285					GRANITE with BASALT stringers Breaks every 0.5 to 0.8 ft			
	75							
281.0			R-15	100	BASALT Rubble	0%		MW-18A Screen
280			R-16	100	GRANITE with BASALT stringers Breaks at 79.4, 79.9 ft	68%		
278.3	80				GRANITE			
276.0			R-17	100		90%		
275					Breaks at 83.8, 84.8			
274.0	85							
273.5					Bottom of Boring = 85 ft			

Completion Depth:	85.0
Date Boring Started:	
Date Boring Completed:	12/18/02
Engineer/Geologist:	M. REYNOLDS
Drilling Contractor:	NE DRILLING

Sample Types:
- Auger Cutting
- Vane Shear
- SPT
- UD
- Penetrometer
- Rock Core

Remarks:

Unless otherwise noted, water encountered but not recorded.

The stratification lines represent approximate boundaries. The transition may be gradual.

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APPENDIX C

BOREHOLE GEOPHYSICAL REPORT

GEOPHYSICAL LOG RESULTS OF BOREHOLES MW-13, MW-16, MW-17 AND MW-18 AT THE PORTLAND BANGOR WASTE OIL-CASCO SITE IN CASCO, MAINE

Northeast Geophysical Services
Bangor, Maine
December, 2002

GEOPHYSICAL LOG RESULTS OF BOREHOLES MW-13, MW-16, MW-17 AND MW-18 AT THE PORTLAND BANGOR WASTE OIL-CASCO SITE IN CASCO, MAINE

Introduction

At the request of Matt Reynolds of Drumlin Environmental Services, four boreholes (MW-13, MW-16, MW-17 and MW-18) located on the former Portland-Bangor Waste Oil site in Casco, Maine were geophysically logged. The boreholes were logged on December 4 and 10, 2002. The purpose of the geophysical logging was to determine the location of water-bearing fractures in the boreholes. Caliper, temperature and flowmeter measurements were run on the boreholes. On MW-16 and MW-18 single point resistance (SPR) and self-potential (SP) logs were also run. The information from the geophysical logs will be used to help determine where to place well screen locations in the boreholes.

Summary of Results

Composite geophysical logs of the four boreholes are appended. The results show the locations of possible transmissive fractures in each borehole. Based on the results of the geophysical logs of borehole MW-13, possible transmissive zones exist between 90 and 101 feet and 80 and 90 feet. In MW-16 a likely transmissive zone exists at 65 feet. In MW-17 transmissive zones exist at 20 to 21 feet, 85.9 feet and possibly at 95 feet. In MW-18 transmissive zones exist at 10 to 13 feet, which is just below the casing, and at 79 feet.

Methods and Instrumentation

The boreholes were logged with a Mount Sopris MGX digital logger. Each borehole was initially logged with a combination temperature and three-armed caliper tool. Temperature (in degrees Celsius) was measured going down the hole. Areas where water is entering or exiting the borehole are sometimes revealed on the temperature log as abrupt temperature changes or sometimes as temperature gradient changes. Caliper measurements, which measure the borehole diameter, are made coming up the hole. Fractures are often revealed on the caliper log as abrupt widenings of the borehole.

MW-16 and MW-18 boreholes were then logged with a combination single point resistance (SPR), self-potential (SP) and natural gamma tool. The SPR log measures the resistance (in ohms) between an electrode in the tool with a surface electrode. Water-filled fractures or voids in the borehole are often revealed on the SPR log as spikes of lower resistance. The SP log measures changes in electrical potential (measured in millivolts) between the electrode in the tool and the surface electrode. The chief source of the SP effect in a borehole is electrochemical effects such as changes in fluid salinity. The movement of water into or out of the borehole can cause a SP effect. Thus, SP can sometimes indicate the locations of permeable fractures in the borehole. Typically SP anomalies will appear as spikes to the right on the log and often mirror the SPR log.

The geophysical logs were examined and likely bedrock fractures were identified. This information was used to select measurement locations for the flowmeter instrument. Generally, flowmeter measurements were taken above and below likely fractures in each of the boreholes.

Flowmeter Logging

Flowmeter measurements of the vertical water flow were made in each borehole using a Mount Sopris Heat Pulse Flowmeter. This instrument is capable of measuring flow direction (up or down) and has a calibrated measurement range of 1.0 to 0.03 gallons per minute (g.p.m.).

Vertical flow in a borehole is caused when two or more transmissive fractures in a borehole are at hydraulic disequilibrium with one another. When this occurs there is a hydraulic gradient developed and water will flow toward the fracture with the lower hydraulic head. When no vertical flow is measured it can mean that there are less than two transmissive fractures in the borehole or that all the fractures in the borehole are at equilibrium with each other.

Results

A composite geophysical log of each of the boreholes is appended. This composite log shows possible bedrock fracture locations in each borehole. One or a combination of anomalous geophysical responses identified possible fractures. These included abrupt widenings in the caliper log, spikes to the left, toward lower resistance, in the SPR log, deflections to the right in the SP log and deflections or gradient changes in the temperature log. The flowmeter results are also shown on this log. All of the depths on the log are referenced from the top of the casing.

Following is a descriptive summary of the geophysical logging results:

MW-13 Borehole

Total depth:	118.7 ft
Casing depth:	20 ft
Water level:	5.65 ft

The caliper log for MW-13 shows an average borehole diameter of 3.79 inches for the uncased portion of the borehole. There are four areas in the borehole where the borehole diameter abruptly widens to over 3.9 inches. These anomalously wide areas represent possible bedrock fractures. The largest caliper anomaly (4.48 inches) occurs at 29.9 feet. A second anomalously wide zone (up to 4.23 inches) occurs from about 20 to 22 feet, which is just below the casing. This anomaly may be rock breakout caused by the casing rather than a fracture. There is also a caliper anomaly at 52 feet (4.12 inches) and a smaller anomaly at 36 feet (3.92 inches). Besides these areas there are smaller caliper deflections that can be seen on the log that may also represent fractures.

The temperature log shows an ambient median temperature of 8.77° C for the uncased portion of the borehole. Near the bottom of the casing at 19 feet the temperature log shows an abrupt shift. This apparent temperature anomaly was an artifact of the logging and not due to temperature conditions in the borehole. This deflection was caused by the temperature probe getting temporarily hung-up in the borehole and then dropping suddenly. In general the temperature log shows a decreasing temperature gradient from about 26 feet to about 60 feet where the temperature gradient gradually flattens. From 60 feet until the bottom of the borehole at 118.7 feet the temperature gradient rises slightly at a rate of 0.29° C per 100 feet. There were no

obvious temperature deflections or gradient changes in the log that indicated transmissive fractures.

Flowmeter Results
The flowmeter measurements were taken under ambient conditions and then under pumping conditions. The results of the flowmeter measurements under ambient conditions show no measurable flow in the borehole. The flowmeter measurements were then repeated while pumping the borehole at about 0.22 gpm. Under these stressed conditions there was no measurable flow at 110 feet or at 101 feet. At 90 feet an upflow of 0.09 gpm was measured. At 80 feet upflow increased slightly to 0.13 gpm and at 50 feet the upflow measured 0.15 gpm. Up flow increased at 32 feet to 0.19 gpm and at 25 feet upflow measured 0.21 gpm.

The flowmeter results indicate that in MW-13 transmissive fractures exist between 90 and 101 feet and probably between 90 feet and 80 feet. The caliper log does not show any clearly anomalous zones in these sections of the borehole, however, the drill core does show some fractures in these zones. The caliper anomalies at 52 feet, 36 feet and 30 feet do have increases in flowmeter measurements immediately above them that suggests that these are transmissive fractures.

MW-16 Borehole

Total depth:	79.1 ft
Casing depth:	17.5 ft
Water level:	0.0 ft

The caliper log for MW-16 shows an average borehole diameter of 3.74 inches for the uncased portion of the borehole. The log shows the borehole walls to be quite smooth with no abruptly wide zones that would indicate bedrock fractures.

Because the caliper was unhelpful in identifying possible fractures, single point resistance and SP logs were run on the borehole. The SP and single point resistance logs show that the average resistance for MW-16 is 2,626 ohms for the uncased portion of the borehole. The resistance log shows several areas where the log deflects toward lowered resistance that indicates possible bedrock fractures. The most predominant resistance anomalies occur at 76 feet, 70.5 feet, 65 feet and 53.5 feet. The SP log also shows a deflection to the right at 53 feet and at smaller deflection at 65 feet that are indicative of fractures.

The temperature log shows an ambient median temperature of 8.36° C for the uncased portion of the borehole. In general the temperature log shows a decreasing temperature gradient from about 20 feet to about 40 feet where the temperature gradient flattens. From 40 feet until the bottom of the borehole at 79.1 feet the temperature is nearly constant, varying less than 0.06° C.

Flowmeter Results
At the time of the logging MW-16 had artesian flow with water seeping over the top of the casing at a slow rate. The flowmeter measurements were taken under ambient conditions. The results of the flowmeter measurements under ambient conditions show no measurable flow at 78, 74 and 69 feet. At 61 feet a strong upflow of 0.16 gpm was measured. Strong upflow of between 0.16 and 0.18 gpm was measured from this depth for the rest of the borehole.

The flowmeter results indicate that in MW-16 a transmissive fracture exists between 61 and 69 feet, possibly at 65 feet where a resistance anomaly occurs. It is possible that there are other transmissive fractures in the borehole such as the large resistance anomaly at 53.5 feet, but the flowmeter measurements only clearly identify the zone between 61 and 69 feet.

MW-17 Borehole

Total depth: 97.3 ft
Casing depth: 17 ft
Water level: 15.6 ft

The caliper log for MW-17 shows an average borehole diameter of 3.85 inches for the uncased portion of the borehole. There are four areas in the borehole where the borehole diameter abruptly widens relative to over 4 inches. These anomalously wide areas represent possible bedrock fractures. The largest caliper anomaly (4.46 inches) occurs at 21 feet, which is near the bottom of casing. A second anomalously wide zone (4.23 inches) occurs at 35.2 feet. The other two caliper anomalies are at 40 feet (4.18 inches) and 42 feet (4.07 inches. A smaller anomaly also occurs at 85.9 feet (3.9 inches). Besides these areas there are smaller caliper deflections that can be seen on the log that may also represent fractures.

The temperature log shows an ambient median temperature of 9.12° C for the uncased portion of the borehole. In general the temperature log shows a decreasing temperature gradient from about 20 feet to about 75 feet where the temperature gradient flattens. Within this zone there is an abrupt temperature deflection at 22 feet that may represent a transmissive fracture. From 75 feet until 87 feet the temperature gradient is vertical. At 87 feet the temperature gradient changes, decreasing until the bottom of the borehole at 97.3 feet. These areas of temperature gradient change may represent transmissive fractures.

Flowmeter Results

The flowmeter measurements were taken under ambient conditions and then under pumping conditions. The results of the flowmeter measurements under ambient conditions were puzzling because sometimes they would show a very high downflow rate and then other times there would be no apparent flow. It was later determined that the reason for this was that the ambient downflow rate in MW-17 was at or slightly greater than the detection limit of the flowmeter.

The flowmeter measurements were then repeated while pumping the borehole at about 0.19 gpm. Normally this will cause upflow in the borehole however, in this case the effect of pumping was to slow the downflow rate enough so that it was detectable with the flowmeter. Under these stressed conditions there was strong downflow at 25 feet (0.40 gpm). Strong downflow measurements of between 0.32 and 0.40 gpm continued going down the borehole until 90 feet where the downflow decreased to 0.06 gpm. At 95 feet, which is near the bottom of the borehole, the downflow decreased to 0.03 gpm.

The flowmeter results indicate that in MW-17 a highly transmissive fracture occurs at 20 to 21 feet. Under ambient conditions water enters the borehole here and moves downward. Most of this water exits the borehole through a transmissive fracture at 85.9 feet. A small portion of the water exits the borehole through a fracture located at 95 feet. It is possible that there are other transmissive fractures in this borehole but the flowmeter did not reveal them under the pumping conditions at the time of the survey.

MW-18 Borehole

Total depth:	86.3 ft
Casing depth:	10 ft
Water level:	7.41 ft

The caliper log for MW-16 shows an average borehole diameter of 3.84 inches for the uncased portion of the borehole. The log shows the borehole walls to be generally quite smooth with no abruptly wide zones that would indicate bedrock fractures. The exception to this is the zone from 10 to 13 feet. In this zone, which is just below the casing, there is a wide caliper anomaly of up to 6.63 inches.

Because the caliper was unhelpful in identifying possible fractures with the exception of the anomaly at 10 to 13 feet, single point resistance and SP logs were run on the borehole. The SP and single point resistance logs show that the average resistance for MW-18 is 2,413 ohms for the uncased portion of the borehole. The average resistance is lower in the upper part of the borehole compared with the lower part. In the upper zone from 10 to 47 feet the average resistance is 1,996 ohms. In the lower par of the borehole, from 50 to 86.3 feet the average resistance is 2,853 ohms. Changes in the average resistance can sometimes be caused by changes in conductivity of the groundwater or in the conductivity of the bedrock.

The resistance log shows several areas where the log deflects toward lowered resistance that indicate possible bedrock fractures. The most predominant resistance anomalies occur at 89 feet, 68 feet, 46.5 feet and 29.5 feet. The SP log also shows deflections to the right at these locations that are indicative of fractures. Besides these anomalies there are several smaller resistance deflections that can be seen on the log that may represent bedrock fractures. The large caliper anomaly at 10 to 13 feet is too close to the metal casing to be detected by the resistance probe.

The temperature log shows an ambient median temperature of 8.26° C for the uncased portion of the borehole. In general the temperature log shows a decreasing temperature gradient from about 20 feet to about 45 feet where the temperature gradient flattens. From 45 feet until about 79 feet the temperature gradually rises. At 79 feet there is an abrupt increase in temperature. This deflection may represent a transmissive fracture.

Flowmeter Results

The flowmeter measurements were taken under ambient conditions and then under pumping conditions. The results of the flowmeter measurements under ambient conditions show no measurable flow near the bottom of the borehole at 83 feet. At 76 feet an upflow of 0.13 gpm was measured. Upflow continues in the borehole at rates varying between 0.13 and 0.10 gpm for the remainder of the borehole up to 15 feet.

The flowmeter measurements were then repeated while pumping the borehole at about 0.20 gpm. Under pumping conditions there was no measurable flow at 83 feet. At 76 feet an upflow of 0.31 gpm was measured. Upflow continues in the borehole at rates varying between 0.31 and 0.29 gpm for the remainder of the borehole up to 17 feet.

The flowmeter results indicate that in MW-18 a transmissive fracture occurs at 79 feet. Under

ambient conditions water enters the borehole here and moves upward. This water exits the borehole through a transmissive fracture at 10 to 13 feet. The flowmeter results while pumping are similar to the ambient results except the measurements show a higher flowrate. It is possible that there are other transmissive fractures in this borehole but the flowmeter did not reveal them under the ambient or pumping conditions at the time of the survey.

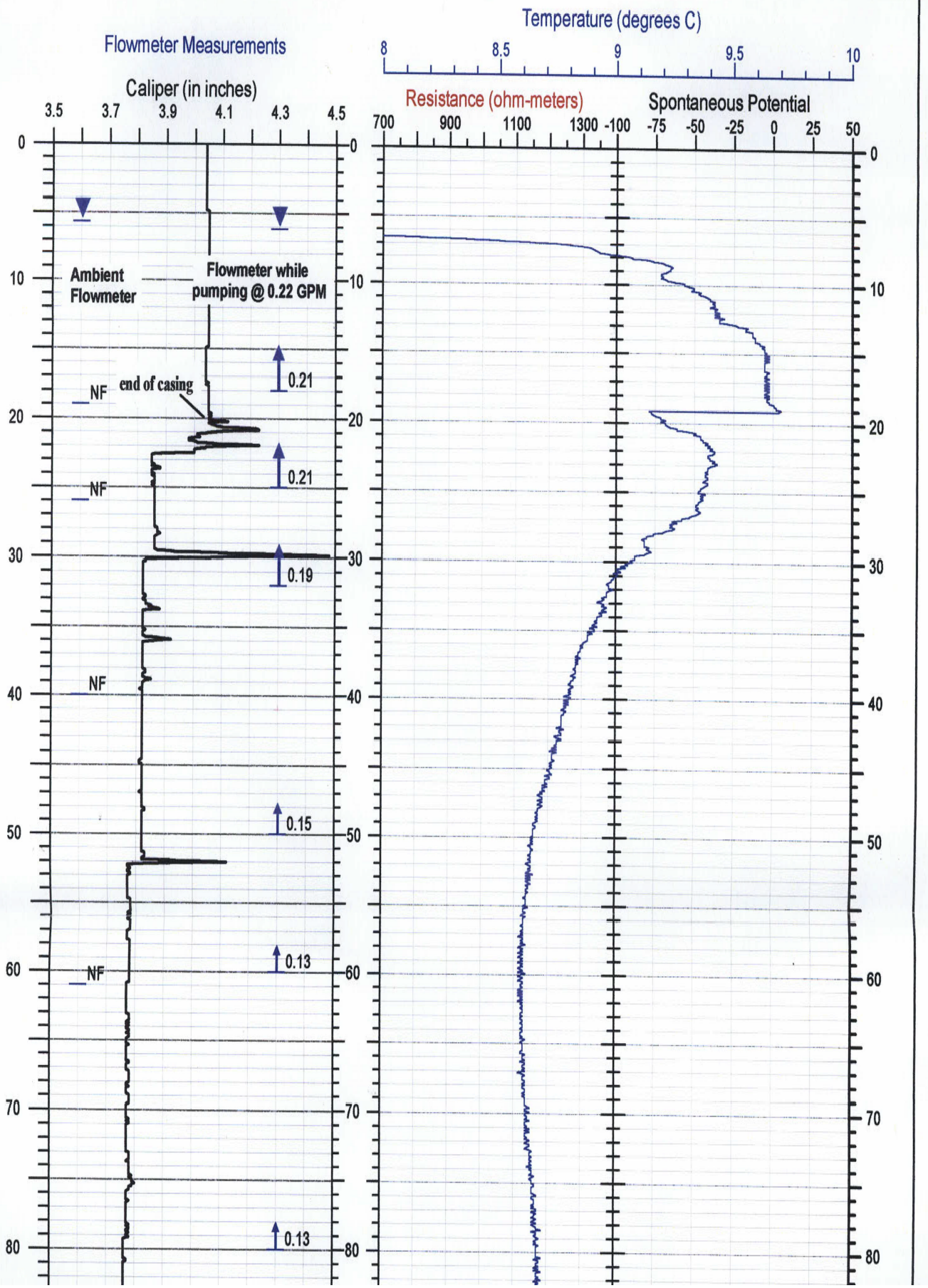
APPENDIX

BOREHOLE GEOPHYSCIAL LOGS

Northeast Geophysical Services

Borehole Geophysical Log
MW-13
Portland - Bangor Waste Oil Site
Casco, Maine

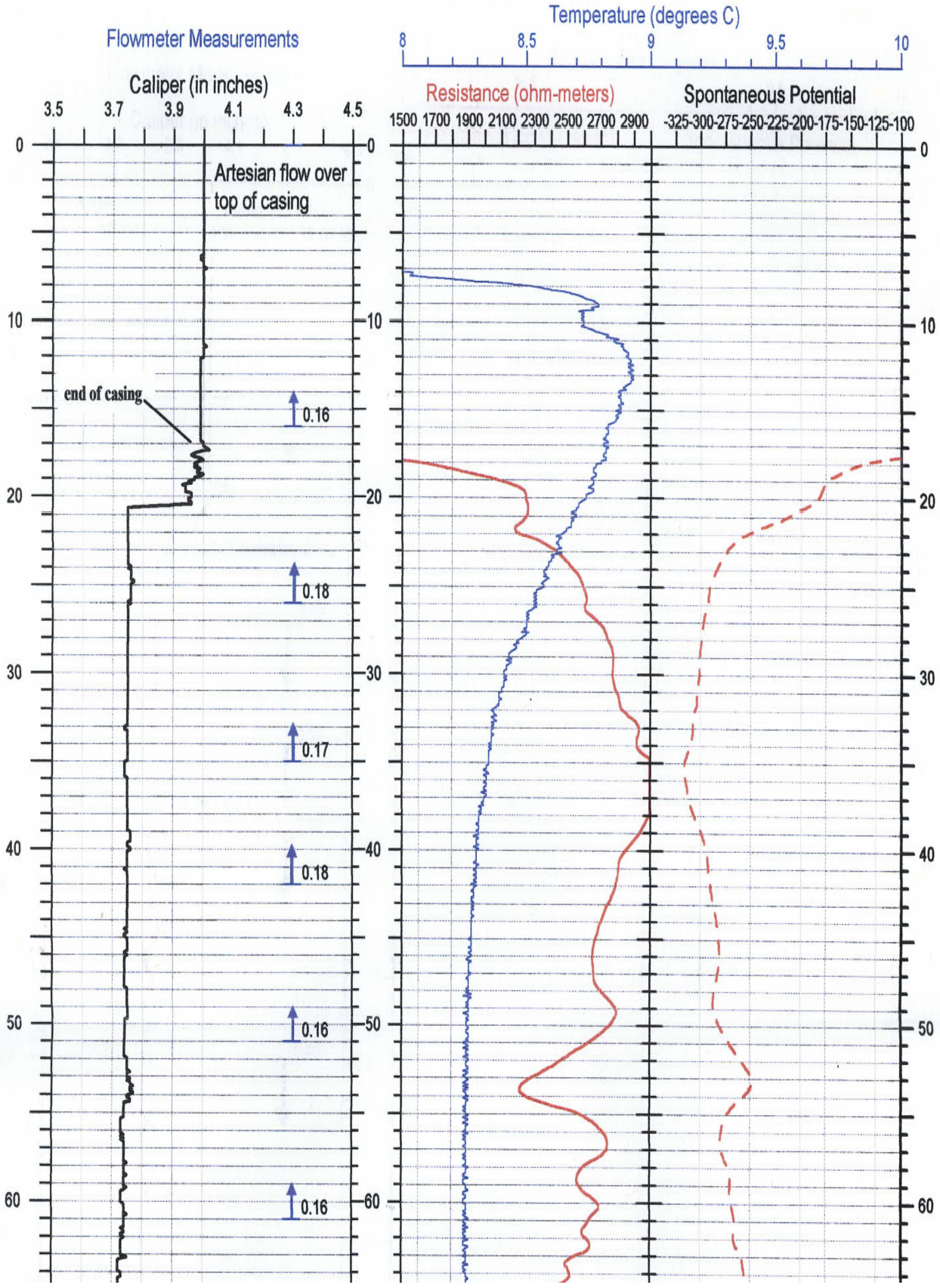
Logging Date: 12/04/02



Northeast Geophysical Services

Borehole Geophysical Log
MW-16
Portland - Bangor Waste Oil Site
Casco, Maine

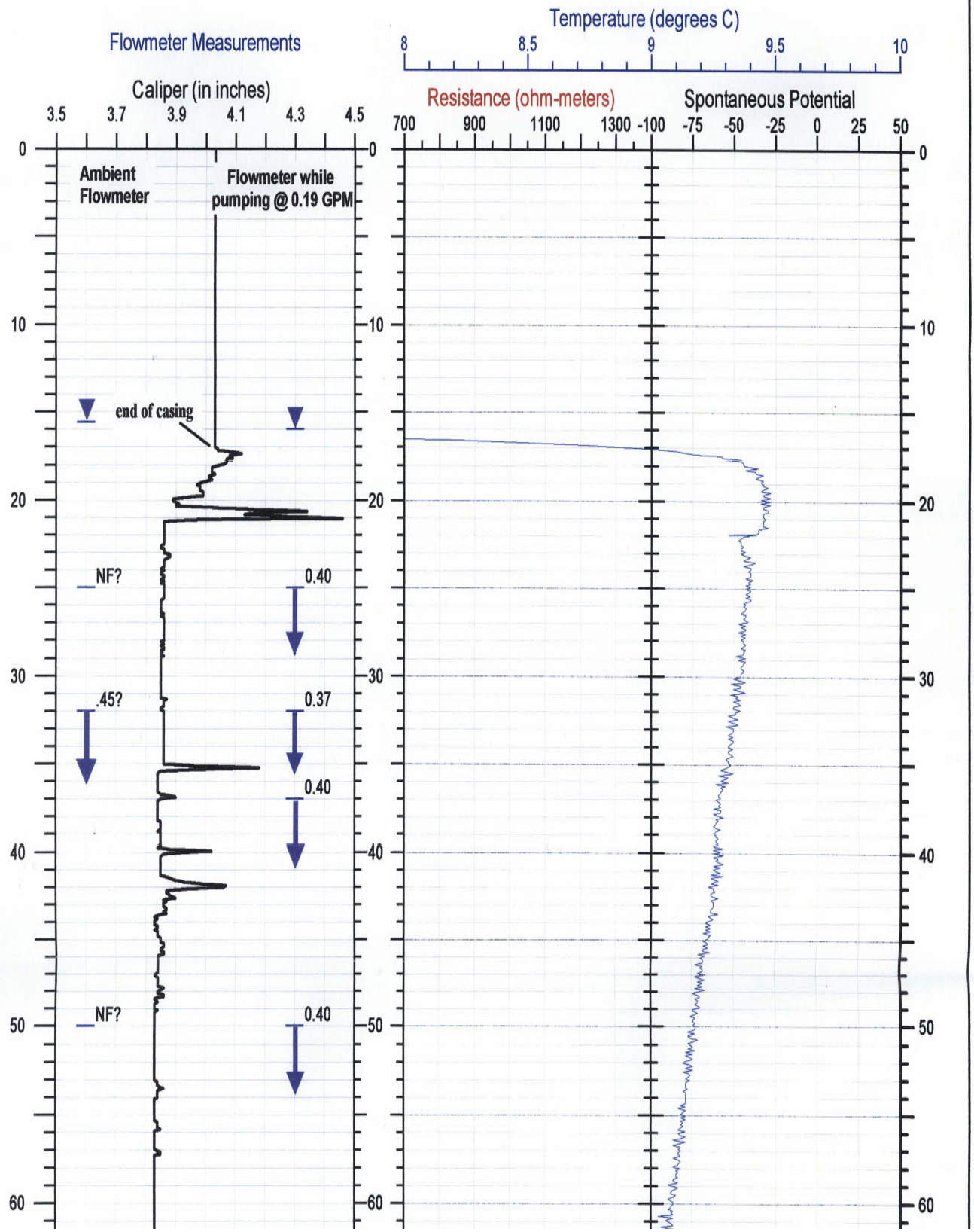
Logging Date: 12/10/02



Northeast Geophysical Services

Borehole Geophysical Log
MW-17
Portland - Bangor Waste Oil Site
Casco, Maine

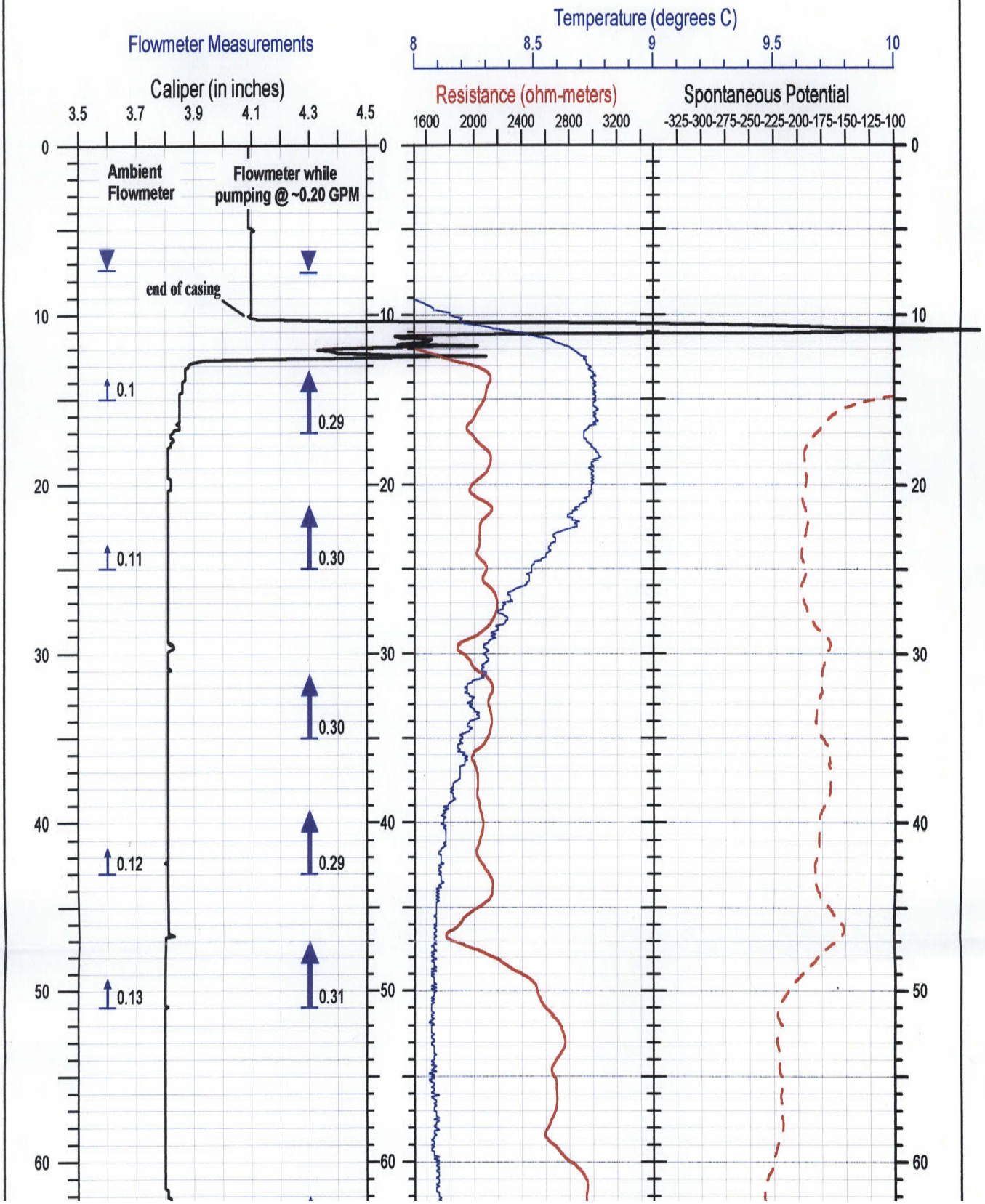
Logging Date: 12/04/02



Northeast Geophysical Services

Borehole Geophysical Log
MW-18
Portland - Bangor Waste Oil Site
Casco, Maine

Logging Date: 12/10/02



DUPLICATE COMPARISONS

Relative Percent Difference for Duplicate Lab Samples
PBWO-Casco Site

SAMPLE	DUPLICATE	SAMPLE DATE	PARAMETER	Quant Limit (mg/L)	S (mg/L)	D (mg/L)	RPD (%)	RPD >10%
SW-4A	DUP-2-0502	5/2/02	Trichloroethene	2	70	69		
			Tetrachloroethene	2	2	2	0.0	
			1,2 Dichloroethene	2	14	14	0.0	
			1,1,1 Trichloroethane	2	3	3	0.0	
SW-4R	DUP-2-0403	4/17/03	Trichloroethene	2	23	28	19.6	*
			Tetrachloroethene	2	1	1	0.0	
			1,2 Dichloroethene	2	6	6	0.0	
MW-13A	DUP-1-0502	5/2/02	Trichloroethene	20	330	337	2.1	
			Tetrachloroethene	20	30	32	6.5	
			1,2 Dichloroethene	20	65	64	1.6	
			1,1,1 Trichloroethane	20	23	23	0.0	
MW-13A	DUP-1-0403	4/17/03	Trichloroethene	20	317	318	0.3	
			Tetrachloroethene	20	35	34	2.9	
			1,2 Dichloroethene	20	44	49	10.8	*
			1,1,1 Trichloroethane	20	18	20	10.5	*

Relative Percent Difference Among Field Lab and Fixed Lab Split Samples
PBWO-Casco Site

SAMPLE	SPLIT	SAMPLE DATE	PARAMETER	RL-Field (mg/L)	QL-Fixed (mg/L)	Field Lab (mg/L)	Fixed Lab (mg/L)	RPD (%)	RPD >10%
GP-15	GP-15	12/2/01	Trichloroethene	1	40	700	905	25.5	*
			Tetrachloroethene	1	40	460	35	171.7	*
			1,2 Dichloroethene	1	40	200	245	20.2	*
			1,1,1 Trichloroethane	1	40	42	42	0.0	
GP-17	GP-17	12/21/01	Trichloroethene	1	2	3.8	2	62.1	*
			Tetrachloroethene	1	2	8.3	6	32.2	*
GP-20	GP-20	12/21/01	Trichloroethene	1	40	620	650	4.7	
			Tetrachloroethene	1	40	32	33	3.1	
			1,2 Dichloroethene	1	40	140	147	4.9	
			1,1,1 Trichloroethane	1	40	35	37	5.6	
SW-5	SW-5	12/20/01	Trichloroethene	1	2	3.1	1	102.4	*

SOIL DATA

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analytics@analyticslab.com

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PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 46618

Revision: Rev. 0

Re: DRU 033-01

Enclosed are the results of the analyses on your sample(s). Samples were received on 14 December 2001 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
46618-1	12/11/01	SB-31-10	EPA 8260 Volatile Organics	
	12/11/01	SB-31-10	Maine HETL Method 4.1.25	
46618-2	12/11/01	SB-32-11	EPA 8260 Volatile Organics	
	12/11/01	SB-32-11	Maine HETL Method 4.1.25	
46618-3	12/12/01	SB-33-7	EPA 8260 Volatile Organics	
	12/12/01	SB-33-7	Maine HETL Method 4.1.25	
46618-4	12/12/01	SB-34-12	EPA 8260 Volatile Organics	
	12/12/01	SB-34-12	Maine HETL Method 4.1.25	
46618-5	12/12/01	SB-34-17	EPA 8260 Volatile Organics	
46618-6	12/11/01	SB-36-2	EPA 8260 Volatile Organics	
	12/11/01	SB-36-2	Maine HETL Method 4.1.25	
46618-7	12/12/01	SB-39-3	EPA 8260 Volatile Organics	
	12/12/01	SB-39-3	Maine HETL Method 4.1.25	
46618-8	12/12/01	SB-39-7	Maine HETL Method 4.1.25	
46618-9	12/12/01	TBSB-1201	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, North Carolina and is validated by the U.S. Army Corps of Engineers. A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature

Date 12/27/2001

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analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 20, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-31-10

SAMPLE DATA

Lab Sample ID: 46618-1
Matrix: Solid
Percent Solid: 93
Dilution Factor: 101
Collection Date: 12/11/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/18/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	76	U	2,2-Dichloropropane	100	U
Bromoform	76	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	250	U
Chlorobenzene	100	U	Methyl-tert-butyl ether	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	76	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	76	U
Dibromochloromethane	76	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	76	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	76	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	76	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	76	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	76	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	1000	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether	100	U
t-Butyl alcohol	4100	U	Ethyl t-butyl ether	100	U
t-Amyl methyl ether	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	97 %	Bromofluorobenzene	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature

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December 26, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-31-10

SAMPLE DATA

Lab Sample ID:	46618-1
Matrix:	Solid
Percent Solid:	93
Dilution Factor:	1.1
Collection Date:	12/11/01
Lab Receipt Date:	12/14/01
Extraction Date:	12/17/01
Analysis Date:	12/18/01

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis.

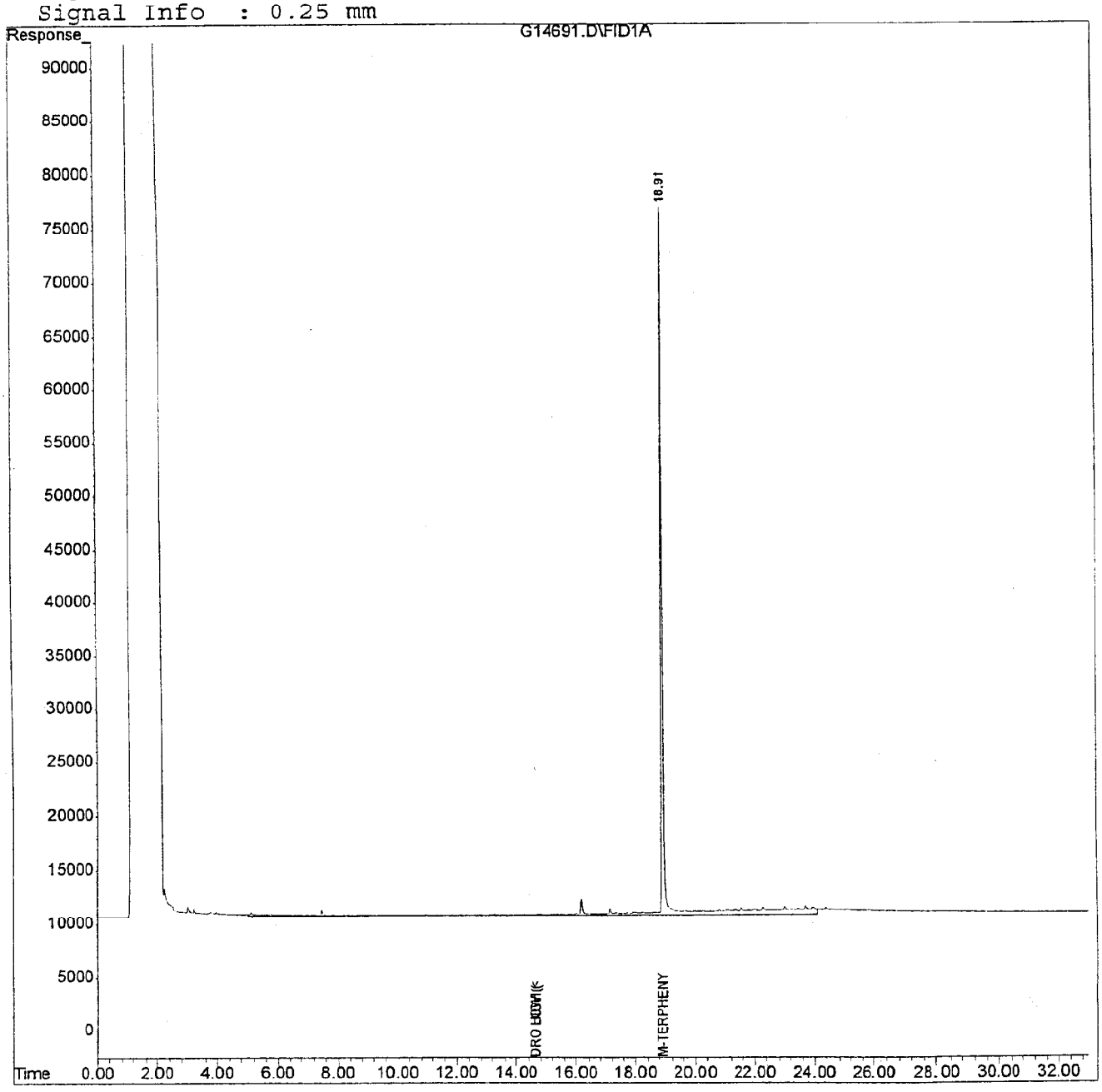
Authorized signature Melissa Ashlee

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\121801-G\G14691.D Vial: 8
Acq On : 18 Dec 2001 5:54 pm Operator:
Sample : 46618-1 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 19 5:56 2001 Quant Results File: D09181.RES

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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December 27, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-32-11

SAMPLE DATA

Lab Sample ID: 46618-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 127
Collection Date: 12/11/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/18/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	130	U	1,3-Dichloropropane	130	U
Bromobenzene	130	U	cis-1,3-Dichloropropene	130	U
Bromochloromethane	130	U	trans-1,3-Dichloropropene	130	U
Bromodichloromethane	95	U	2,2-Dichloropropane	130	U
Bromoform	95	U	1,1-Dichloropropene	130	U
Bromomethane	130	U	Ethylbenzene	130	U
n-butylbenzene	130	U	Hexachlorobutadiene	130	U
sec-butylbenzene	130	U	Isopropylbenzene	130	U
tert-butylbenzene	130	U	p-isopropyltoluene	130	U
Carbon Tetrachloride	130	U	Methylene Chloride	320	U
Chlorobenzene	130	U	Methyl-tert-butyl ether	130	U
Chloroethane	130	U	Naphthalene	130	U
Chloroform	95	U	n-Propylbenzene	130	U
Chloromethane	130	U	Styrene	130	U
2-Chlorotoluene	130	U	1,1,1,2-Tetrachloroethane	130	U
4-Chlorotoluene	130	U	1,1,2,2-Tetrachloroethane	95	U
Dibromochloromethane	95	U	Tetrachloroethene	130	**203**
1,2-Dibromo-3-chloropropane	130	U	Toluene	130	U
1,2-Dibromoethane	95	U	1,2,3-Trichlorobenzene	130	U
Dibromomethane	130	U	1,2,4-Trichlorobenzene	130	U
1,2-Dichlorobenzene	130	U	1,1,1-Trichloroethane	130	**84 J**
1,3-Dichlorobenzene	130	U	1,1,2-Trichloroethane	95	U
1,4-Dichlorobenzene	130	U	Trichloroethene	130	**2290**
Dichlorodifluoromethane	130	U	Trichlorofluoromethane	130	U
1,1-Dichloroethane	130	U	1,2,3-Trichloropropane	130	U
1,2-Dichloroethane	95	U	1,2,4-Trimethylbenzene	130	U
1,1-Dichloroethene	95	U	1,3,5-Trimethylbenzene	130	U
cis-1,2-Dichloroethene	130	137	Vinyl Chloride	130	U
trans-1,2-Dichloroethene	130	U	o-Xylene	130	U
1,2-Dichloropropane	95	U	m,p-Xylene	130	U
Acetone	1300	U	Diethyl ether	130	U
Carbon Disulfide	130	U	2-Hexanone	1300	U
Tetrahydrofuran	1300	U	Methyl isobutyl ketone	1300	U
Methyl ethyl ketone	1300	U	Di-isopropyl ether	130	U
t-Butyl alcohol	5100	U	Ethyl t-butyl ether	130	U
t-Amyl methyl ether	130	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	96 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melinda A. Falli

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December 26, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-32-11

Lab Sample ID: 46618-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 12/11/01
Lab Receipt Date: 12/14/01
Extraction Date: 12/17/01
Analysis Date: 12/18/01

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	82	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis.

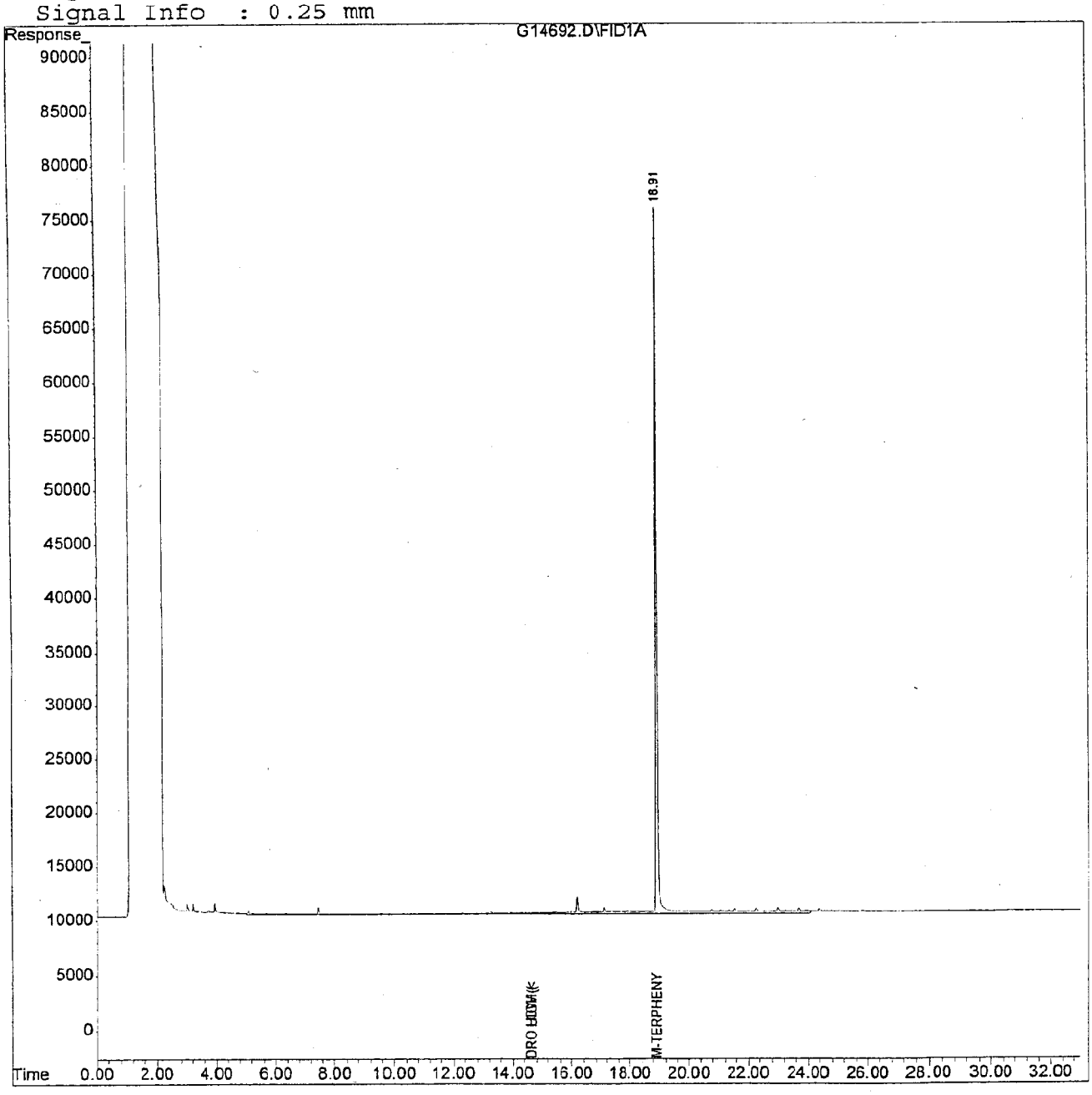
Authorized signature Melissa C. Kelli

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\121801-G\G14692.D Vial: 9
Acq On : 18 Dec 2001 6:34 pm Operator:
Sample : 46618-2 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 19 5:56 2001 Quant Results File: D09181.RES

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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December 20, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-33-7

SAMPLE DATA

Lab Sample ID: 46618-3
Matrix: Solid
Percent Solid: 92
Dilution Factor: 121
Collection Date: 12/12/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/19/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	120	U	1,3-Dichloropropane	120	U
Bromobenzene	120	U	cis-1,3-Dichloropropene	120	U
Bromochloromethane	120	U	trans-1,3-Dichloropropene	120	U
Bromodichloromethane	91	U	2,2-Dichloropropane	120	U
Bromoform	91	U	1,1-Dichloropropene	120	U
Bromomethane	120	U	Ethylbenzene	120	U
n-butylbenzene	120	U	Hexachlorobutadiene	120	U
sec-butylbenzene	120	U	Isopropylbenzene	120	U
tert-butylbenzene	120	U	p-isopropyltoluene	120	U
Carbon Tetrachloride	120	U	Methylene Chloride	300	U
Chlorobenzene	120	U	Methyl-tert-butyl ether	120	U
Chloroethane	120	U	Naphthalene	120	U
Chloroform	91	U	n-Propylbenzene	120	U
Chloromethane	120	U	Styrene	120	U
2-Chlorotoluene	120	U	1,1,1,2-Tetrachloroethane	120	U
4-Chlorotoluene	120	U	1,1,2,2-Tetrachloroethane	91	U
Dibromochloromethane	91	U	Tetrachloroethene	120	**494**
1,2-Dibromo-3-chloropropane	120	U	Toluene	120	U
1,2-Dibromoethane	91	U	1,2,3-Trichlorobenzene	120	U
Dibromomethane	120	U	1,2,4-Trichlorobenzene	120	U
1,2-Dichlorobenzene	120	U	1,1,1-Trichloroethane	120	U
1,3-Dichlorobenzene	120	U	1,1,2-Trichloroethane	91	U
1,4-Dichlorobenzene	120	U	Trichloroethene	120	**121**
Dichlorodifluoromethane	120	U	Trichlorofluoromethane	120	U
1,1-Dichloroethane	120	U	1,2,3-Trichloropropane	120	U
1,2-Dichloroethane	91	U	1,2,4-Trimethylbenzene	120	U
1,1-Dichloroethene	91	U	1,3,5-Trimethylbenzene	120	U
cis-1,2-Dichloroethene	120	**768**	Vinyl Chloride	120	U
trans-1,2-Dichloroethene	120	U	o-Xylene	120	U
1,2-Dichloropropane	91	U	m,p-Xylene	120	U
Acetone	1200	U	Diethyl ether	120	U
Carbon Disulfide	120	U	2-Hexanone	1200	U
Tetrahydrofuran	1200	U	Methyl isobutyl ketone	1200	U
Methyl ethyl ketone	1200	U	Di-isopropyl ether	120	U
t-Butyl alcohol	4800	U	Ethyl t-butyl ether	120	U
t-Amyl methyl ether	120	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106 %	d8-Toluene	98 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melissa Astelli

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 26, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-33-7

SAMPLE DATA

Lab Sample ID:	46618-3
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	5
Collection Date:	12/12/01
Lab Receipt Date:	12/14/01
Extraction Date:	12/17/01
Analysis Date:	12/21/01

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
422	mg/kg	25

Surrogate Standard Recovery

m-Terphenyl	80	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

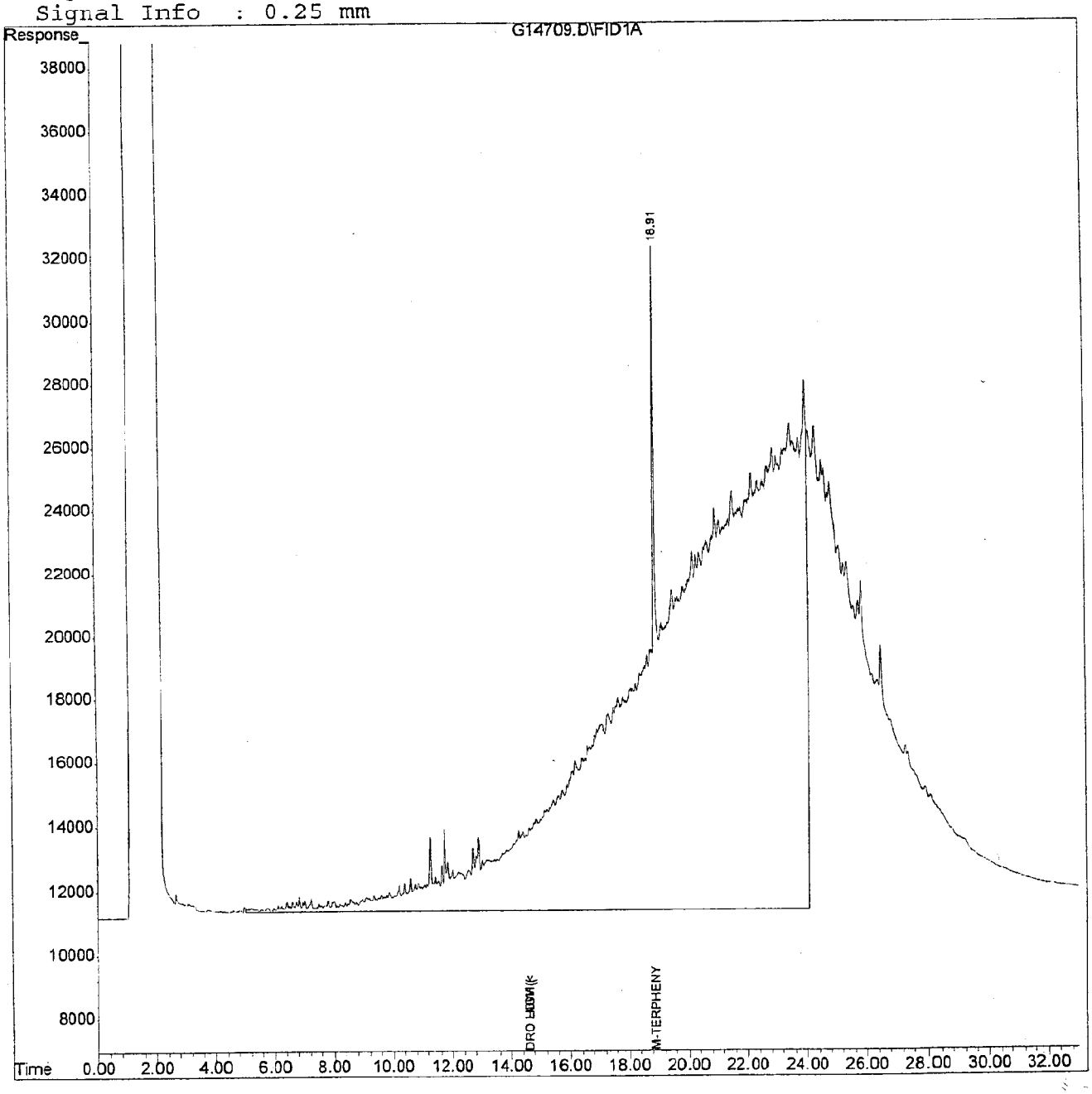
Authorized signature

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\122101-G\G14709.D Vial: 7
Acq On : 21 Dec 2001 3:01 pm Operator:
Sample : 46618-3,5X Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 24 7:58 2001 Quant Results File: D09181.RES

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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December 26, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-34-12

SAMPLE DATA

Lab Sample ID:	46618-4
Matrix:	Solid
Percent Solid:	94
Dilution Factor:	42
Collection Date:	12/12/01
Lab Receipt Date:	12/14/01
Extraction Date:	12/17/01
Analysis Date:	12/21/01

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
8780	mg/kg	210

Surrogate Standard Recovery

m-Terphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

* The surrogate was diluted out.

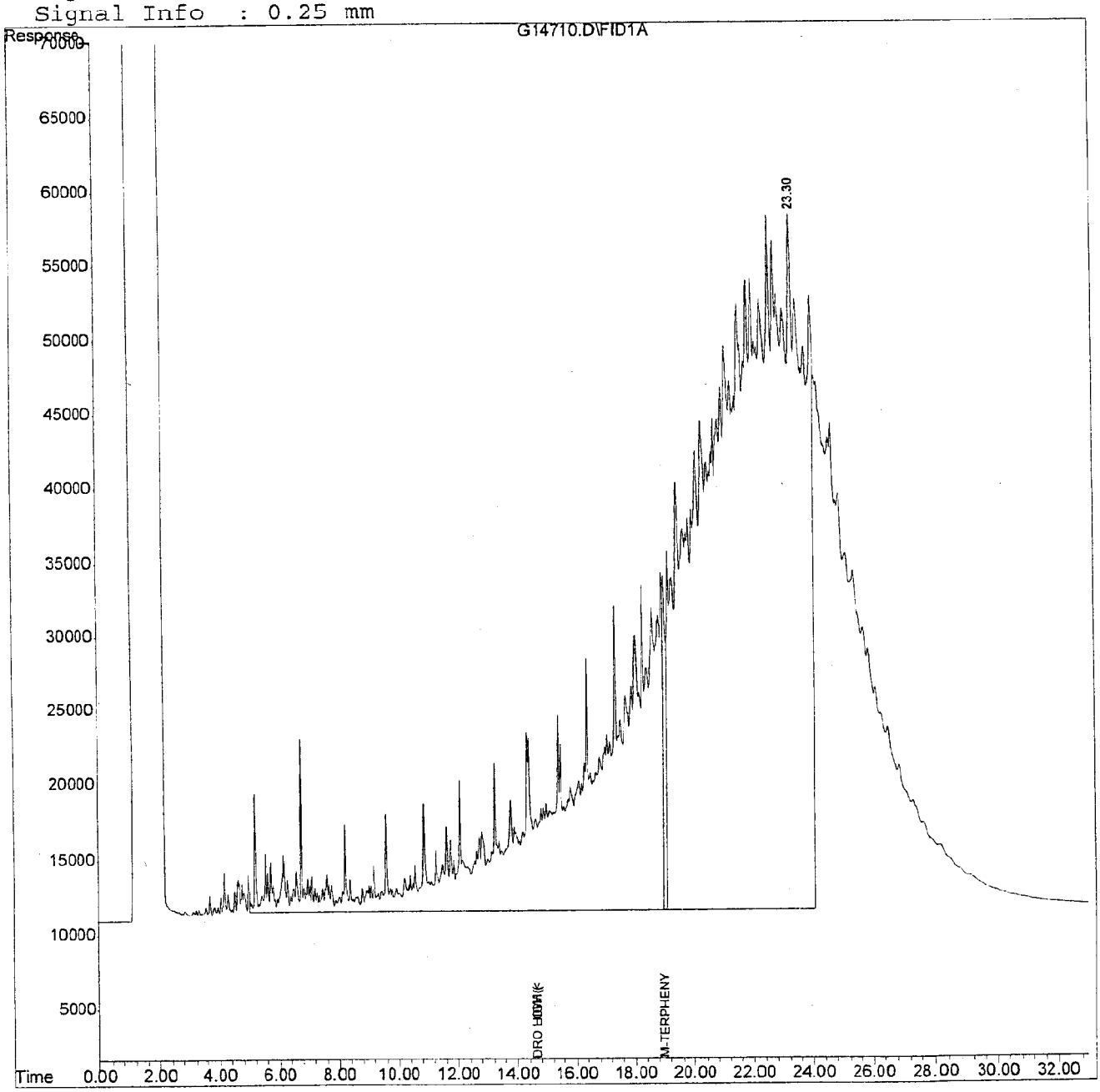
DRO Report

Authorized signature

Data File : D:\HPCHEM\2\DATA\122101-G\G14710.D Vial: 8
Acq On : 21 Dec 2001 3:41 pm Operator:
Sample : 46618-4,20X Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 24 7:58 2001 Quant Results File: D09181.RES

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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December 20, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-34-12

SAMPLE DATA

Lab Sample ID: 46618-4
Matrix: Solid
Percent Solid: 94
Dilution Factor: 2550
Collection Date: 12/12/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/19/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2600	U	1,3-Dichloropropane	2600	U
Bromobenzene	2600	U	cis-1,3-Dichloropropene	2600	U
Bromochloromethane	2600	U	trans-1,3-Dichloropropene	2600	U
Bromodichloromethane	1900	U	2,2-Dichloropropane	2600	U
Bromoform	1900	U	1,1-Dichloropropene	2600	U
Bromomethane	2600	U	Ethylbenzene	2600	U
n-butylbenzene	2600	U	Hexachlorobutadiene	2600	U
sec-butylbenzene	2600	U	Isopropylbenzene	2600	U
tert-butylbenzene	2600	U	p-isopropyltoluene	2600	U
Carbon Tetrachloride	2600	U	Methylene Chloride	6400	U
Chlorobenzene	2600	U	Methyl-tert-butyl ether	2600	U
Chloroethane	2600	U	Naphthalene	2600	U
Chloroform	1900	U	n-Propylbenzene	2600	U
Chloromethane	2600	U	Styrene	2600	U
2-Chlorotoluene	2600	U	1,1,1,2-Tetrachloroethane	2600	U
4-Chlorotoluene	2600	U	1,1,2,2-Tetrachloroethane	1900	U
Dibromochloromethane	1900	U	Tetrachloroethene	2600	**6200**
1,2-Dibromo-3-chloropropane	2600	U	Toluene	2600	U
1,2-Dibromoethane	1900	U	1,2,3-Trichlorobenzene	2600	U
Dibromomethane	2600	U	1,2,4-Trichlorobenzene	2600	U
1,2-Dichlorobenzene	2600	U	1,1,1-Trichloroethane	2600	**3580**
1,3-Dichlorobenzene	2600	U	1,1,2-Trichloroethane	1900	U
1,4-Dichlorobenzene	2600	U	Trichloroethene	2600	**108000**
Dichlorodifluoromethane	2600	U	Trichlorofluoromethane	2600	U
1,1-Dichloroethane	2600	U	1,2,3-Trichloropropane	2600	U
1,2-Dichloroethane	1900	U	1,2,4-Trimethylbenzene	2600	**2040 J**
1,1-Dichloroethene	1900	U	1,3,5-Trimethylbenzene	2600	**1500 J**
cis-1,2-Dichloroethene	2600	**2300 J**	Vinyl Chloride	2600	U
trans-1,2-Dichloroethene	2600	U	o-Xylene	2600	**1430 J**
1,2-Dichloropropane	1900	U	m,p-Xylene	2600	U
Acetone	26000	U	Diethyl ether	2600	U
Carbon Disulfide	2600	U	2-Hexanone	26000	U
Tetrahydrofuran	26000	U	Methyl isobutyl ketone	26000	U
Methyl ethyl ketone	26000	U	Di-isopropyl ether	2600	U
t-Butyl alcohol	102000	U	Ethyl t-butyl ether	2600	U
t-Amyl methyl ether	2600	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	* %	d8-Toluene	* %	Bromofluorobenzene	* %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. * The surrogates were diluted out.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

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PO Box 1107
Yarmouth, ME 04096-1107

December 26, 2001

SAMPLE DATA

Lab Sample ID: 46618-5
Matrix: Solid
Percent Solid: 93
Dilution Factor: 105
Collection Date: 12/12/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/18/01

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-34-17

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	79	U	2,2-Dichloropropane	100	U
Bromoform	79	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	260	U
Chlorobenzene	100	U	Methyl-tert-butyl ether	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	79	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	79	U
Dibromochloromethane	79	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	79	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	79	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	79	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	79	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	79	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	1000	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether	100	U
t-Butyl alcohol	4200	U	Ethyl t-butyl ether	100	U
t-Amyl methyl ether	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane 97 % d8-Toluene 95 % Bromofluorobenzene 91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melissa A. Kelle

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December 20, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-36-2

SAMPLE DATA

Lab Sample ID: 46618-6
Matrix: Solid
Percent Solid: 82
Dilution Factor: 129
Collection Date: 12/11/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/19/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	130	U	1,3-Dichloropropane	130	U
Bromobenzene	130	U	cis-1,3-Dichloropropene	130	U
Bromochloromethane	130	U	trans-1,3-Dichloropropene	130	U
Bromodichloromethane	97	U	2,2-Dichloropropane	130	U
Bromoform	97	U	1,1-Dichloropropene	130	U
Bromomethane	130	U	Ethylbenzene	130	U
n-butylbenzene	130	U	Hexachlorobutadiene	130	U
sec-butylbenzene	130	U	Isopropylbenzene	130	U
tert-butylbenzene	130	U	p-isopropyltoluene	130	U
Carbon Tetrachloride	130	U	Methylene Chloride	320	U
Chlorobenzene	130	U	Methyl-tert-butyl ether	130	U
Chloroethane	130	U	Naphthalene	130	U
Chloroform	97	U	n-Propylbenzene	130	U
Chloromethane	130	U	Styrene	130	U
2-Chlorotoluene	130	U	1,1,1,2-Tetrachloroethane	130	U
4-Chlorotoluene	130	U	1,1,2,2-Tetrachloroethane	97	U
Dibromochloromethane	97	U	Tetrachloroethene	130	**2530**
1,2-Dibromo-3-chloropropane	130	U	Toluene	130	U
1,2-Dibromoethane	97	U	1,2,3-Trichlorobenzene	130	U
Dibromomethane	130	U	1,2,4-Trichlorobenzene	130	U
1,2-Dichlorobenzene	130	U	1,1,1-Trichloroethane	130	U
1,3-Dichlorobenzene	130	U	1,1,2-Trichloroethane	97	U
1,4-Dichlorobenzene	130	U	Trichloroethene	130	U
Dichlorodifluoromethane	130	U	Trichlorofluoromethane	130	U
1,1-Dichloroethane	130	U	1,2,3-Trichloropropane	130	U
1,2-Dichloroethane	97	U	1,2,4-Trimethylbenzene	130	U
1,1-Dichloroethene	97	U	1,3,5-Trimethylbenzene	130	U
cis-1,2-Dichloroethene	130	U	Vinyl Chloride	130	U
trans-1,2-Dichloroethene	130	U	o-Xylene	130	U
1,2-Dichloropropane	97	U	m,p-Xylene	130	U
Acetone	1300	U	Diethyl ether	130	U
Carbon Disulfide	130	U	2-Hexanone	1300	U
Tetrahydrofuran	1300	U	Methyl isobutyl ketone	1300	U
Methyl ethyl ketone	1300	U	Di-isopropyl ether	130	U
t-Butyl alcohol	5200	U	Ethyl t-butyl ether	130	U
t-Amyl methyl ether	130	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101 %	d8-Toluene	91 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melissa A Hallie

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December 26, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-36-2

SAMPLE DATA

Lab Sample ID:	46618-6
Matrix:	Solid
Percent Solid:	82
Dilution Factor:	49
Collection Date:	12/11/01
Lab Receipt Date:	12/14/01
Extraction Date:	12/17/01
Analysis Date:	12/21/01

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
11400	mg/kg	245

Surrogate Standard Recovery

m-Terphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

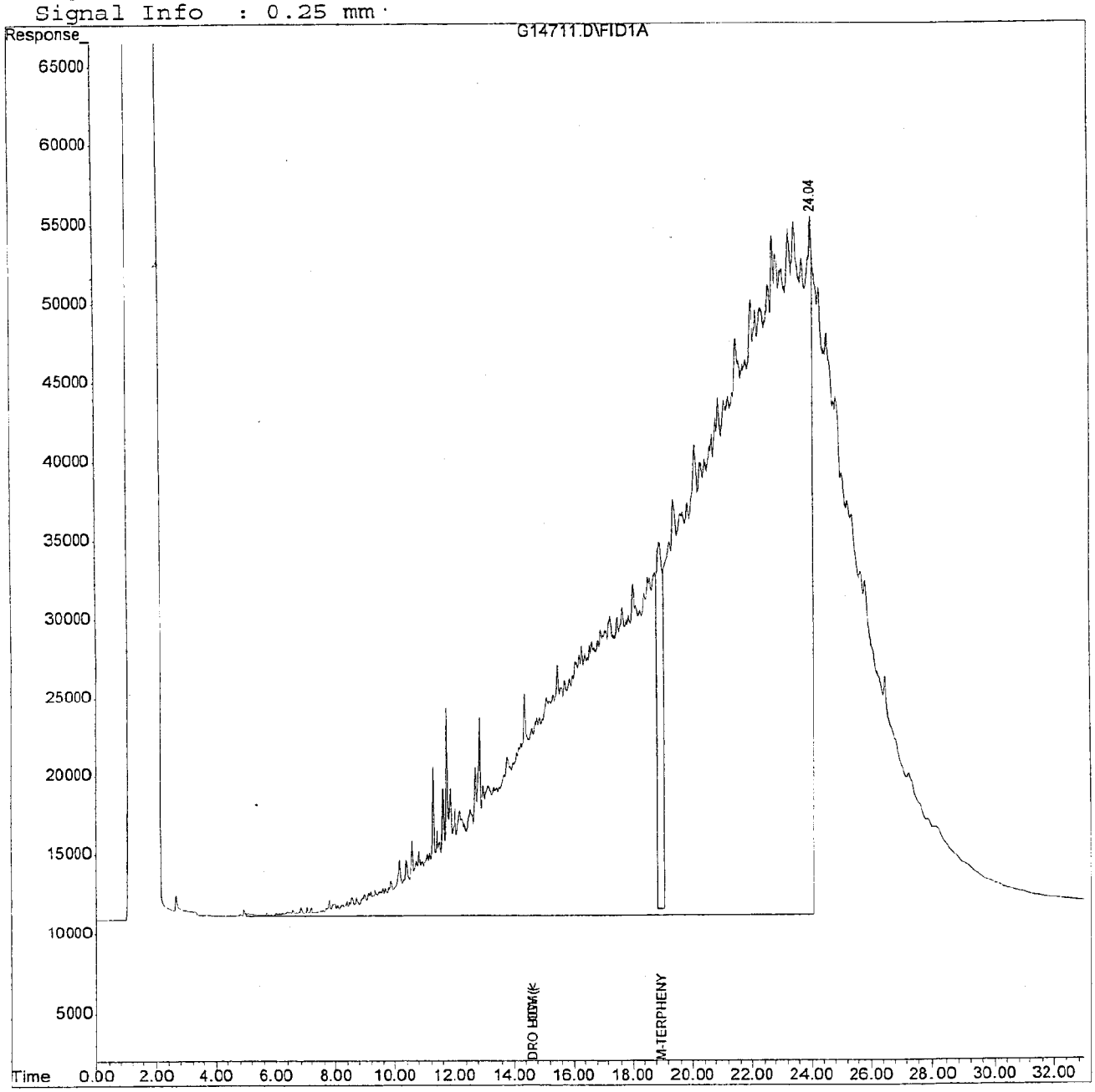
* The surrogate was diluted out.

Authorized signature

Data File : D:\HPCHEM\2\DATA\122101-G\G14711.D Vial: 9
Acq On : 21 Dec 2001 4:21 pm Operator:
Sample : 46618-6,20X Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Dec 24 7:58 2001 Quant Results File: D09181.RES

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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December 20, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-39-3

SAMPLE DATA

Lab Sample ID: 46618-7
Matrix: Solid
Percent Solid: 85
Dilution Factor: 110
Collection Date: 12/12/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/19/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	110	U	1,3-Dichloropropane	110	U
Bromobenzene	110	U	cis-1,3-Dichloropropene	110	U
Bromochloromethane	110	U	trans-1,3-Dichloropropene	110	U
Bromodichloromethane	83	U	2,2-Dichloropropane	110	U
Bromoform	83	U	1,1-Dichloropropene	110	U
Bromomethane	110	U	Ethylbenzene	110	U
n-butylbenzene	110	U	Hexachlorobutadiene	110	U
sec-butylbenzene	110	U	Isopropylbenzene	110	U
tert-butylbenzene	110	U	p-isopropyltoluene	110	U
Carbon Tetrachloride	110	U	Methylene Chloride	280	U
Chlorobenzene	110	U	Methyl-tert-butyl ether	110	U
Chloroethane	110	U	Naphthalene	110	U
Chloroform	83	U	n-Propylbenzene	110	U
Chloromethane	110	U	Styrene	110	U
2-Chlorotoluene	110	U	1,1,1,2-Tetrachloroethane	110	U
4-Chlorotoluene	110	U	1,1,2,2-Tetrachloroethane	83	U
Dibromochloromethane	83	U	Tetrachloroethene	110	**4450**
1,2-Dibromo-3-chloropropane	110	U	Toluene	110	U
1,2-Dibromoethane	83	U	1,2,3-Trichlorobenzene	110	U
Dibromomethane	110	U	1,2,4-Trichlorobenzene	110	U
1,2-Dichlorobenzene	110	U	1,1,1-Trichloroethane	110	U
1,3-Dichlorobenzene	110	U	1,1,2-Trichloroethane	83	U
1,4-Dichlorobenzene	110	U	Trichloroethene	110	U
Dichlorodifluoromethane	110	U	Trichlorofluoromethane	110	U
1,1-Dichloroethane	110	U	1,2,3-Trichloropropane	110	U
1,2-Dichloroethane	83	U	1,2,4-Trimethylbenzene	110	U
1,1-Dichloroethene	83	U	1,3,5-Trimethylbenzene	110	U
cis-1,2-Dichloroethene	110	U	Vinyl Chloride	110	U
trans-1,2-Dichloroethene	110	U	o-Xylene	110	U
1,2-Dichloropropane	83	U	m,p-Xylene	110	U
Acetone	1100	U	Diethyl ether	110	U
Carbon Disulfide	110	U	2-Hexanone	1100	U
Tetrahydrofuran	1100	U	Methyl isobutyl ketone	1100	U
Methyl ethyl ketone	1100	U	Di-isopropyl ether	110	U
t-Butyl alcohol	4400	U	Ethyl t-butyl ether	110	U
t-Amyl methyl ether	110	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	82 %	Bromofluorobenzene	82 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melissa Stulli

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603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 26, 2001

SAMPLE DATA

Lab Sample ID:	46618-7
Matrix:	Solid
Percent Solid:	85
Dilution Factor:	24
Collection Date:	12/12/01
Lab Receipt Date:	12/14/01
Extraction Date:	12/17/01
Analysis Date:	12/21/01

CLIENT SAMPLE ID

Project Name:	DRU 033-01
Project Number:	
Field Sample ID:	SB-39-3

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
7190	mg/kg	120

Surrogate Standard Recovery

m-Terphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

* The surrogate was diluted out.

DRO Report

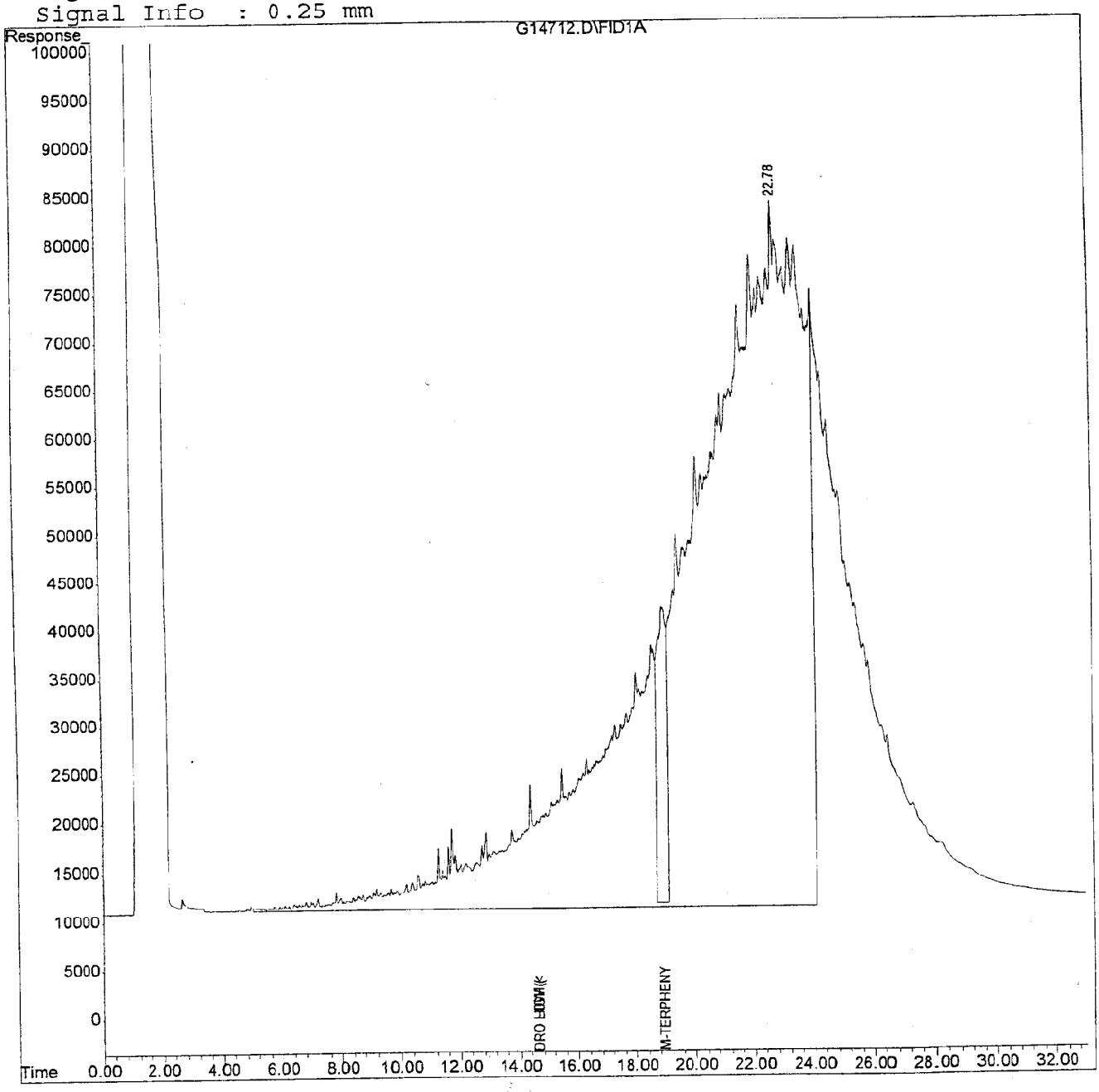
Authorized signature Melissa A Kelli

Data File : D:\HPCHEM\2\DATA\122101-G\G14712.D
Acq On : 21 Dec 2001 5:01 pm
Sample : 46618-7,10X
Misc :
IntFile : AUTOINT1.E
Quant Time: Dec 24 7:58 2001 Quant Results File: D09181.RES

Vial: 10
Operator:
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 26, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: SB-39-7

SAMPLE DATA

Lab Sample ID: 46618-8
Matrix: Solid
Percent Solid: 93
Dilution Factor: 21
Collection Date: 12/12/01
Lab Receipt Date: 12/14/01
Extraction Date: 12/17/01
Analysis Date: 12/21/01

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
4590	mg/kg	105

Surrogate Standard Recovery

m-Terphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

* The surrogate was diluted out.

DRO Report

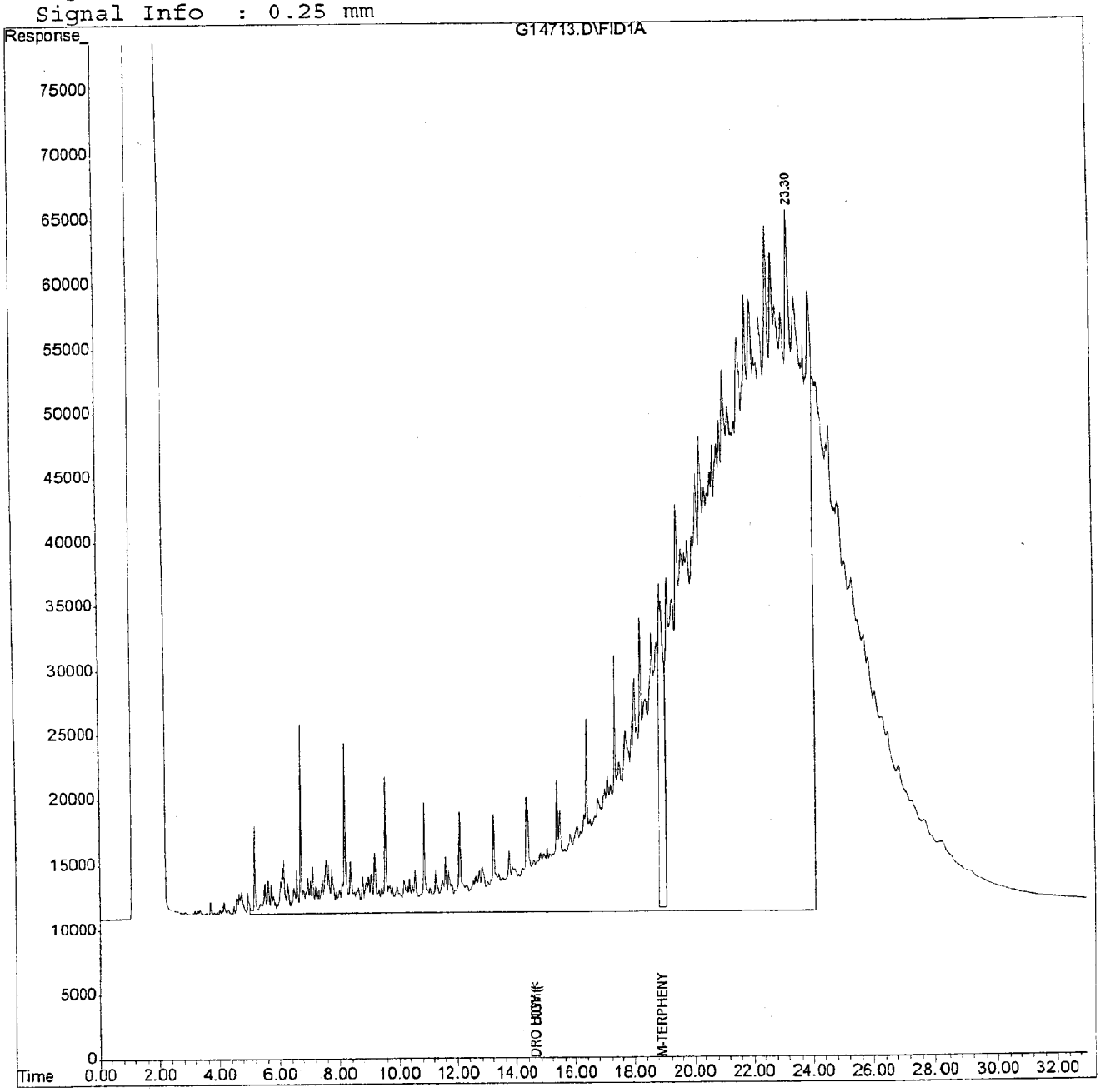
Authorized signature Melissa A Hulli

Data File : D:\HPCHEM\2\DATA\122101-G\G14713.D
Acq On : 21 Dec 2001 5:41 pm
Sample : 46618-8,10X
Misc :
IntFile : AUTOINT1.E
Quant Time: Dec 24 7:58 2001 Quant Results File: D09181.RES

Vial: 11
Operator:
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D09181.M (Chemstation Integrator)
Title : DRO
Last Update : Fri Dec 14 11:22:23 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 27, 2001

CLIENT SAMPLE ID

Project Name: DRU 033-01

Project Number:

Field Sample ID: TBSB-1201

SAMPLE DATA

Lab Sample ID: 46618-9
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 12/12/01
Lab Receipt Date: 12/14/01
Analysis Date: 12/19/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	250	U
Chlorobenzene	100	U	Methyl-tert-butyl ether	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	1000	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether	100	U
t-Butyl alcohol	4000	U	Ethyl t-butyl ether	100	U
t-Amyl methyl ether	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	99 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melissa A Sullivan

AFL

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRU033-01 | SAMPLER NAME: MDR

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☒ Standard 12/27
☐ Priority (SURCHARGE)
Quote #

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES 8260 - VOC	ANALYSES DRO - ME 4125	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SB-31-10	1 VOA / 16 4oz	VOA / 4oz		X	Soil	X		MeOH 4°C / 4°C	12/11/01	1005	X	X	46618-1
-32-11				X		X			↓	1150	X	X	-2
-33-7				X		X			12/12/01	1200	X	X	-3
↓ -34-12	↓	↓		X		X		↓	12/12/01	1400	X	X	-4
SB-34-17	2	VOA		X		X		MeOH 4°C / 4°C	12/12/01	1445	X		-5
SB-36-2	1 VOA / 16	VOA / 4oz		X		X		MeOH 4°C / 4°C	12/11/01	1515	X	X	-6
-39-3	↓	↓		X		X		↓	12/12/01	1525	X	X	-7
↓ -39-7	1	4oz		X	↓	X		4°C	12/12/01	1540		X	-8
TB-SB-1201	1	VOA		X	methanol	X		4°C	11/8/01	—	X		-9

024/024

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C 2°C / 4°C /Frozen ice packs ☐ N/A
Samples received preserved ☒ yes ☐ no ☐ N/A

COMMENTS

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY: Martha N. Mixon	12/14/01	1017
RELINQUISHED BY:	DATE	TIME

RECEIVED BY:
RECEIVED BY: Margaret L. Metzo
RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

LABORATORY REPORT # DRU033-01

PROJECT MANAGER: Matthew Reynolds | TELEPHONE: 207 771-5546 | FAX # / E-MAIL: 207-771-5547

COMPANY: Drumlin Environmental, LLC | PURCHASE ORDER # / BILL TO: 01-007

ADDRESS: P.O.Box 392 Portland ME 04112-0392

PROJECT NAME: CASCO #107 | SAMPLER NAME: MDR

Delivered by: M. Reynolds

TURNAROUND REQUEST: ☒ Standard ☐ Priority (SURCHARGE) | Quote #_____

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: VOA - 8260	ANALYSES: Due ME 4,1,25	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SB-31-10	2	G1		X	Soil	X		MeOH + 4°C	12/11/01	1005	X	X	AEL
SB-32-11	2	"		"	"	"		"	12/11/01	1150	X	X	
SB-33-7	2	"		"	"	"		"	12/12/01	1200	X	X	
SB-34-12	2	"		"	"	"		"	12/12/01	1400	X	X	
SB-34-17	2	"		"	"	"		"	12/12/01	1445	X		
SB-36-2	2	"		"	"	"		"	12/11/01	1575	X	X	
SB-39-3	2	"		"	"	"		"	12/12/01	1525	X	X	
SB-39-7	2	"		"	"	"		"	12/12/01	1540	X	X	
TB-SB-1201	1	"		"	"	"		"	"		X		↓

Received within hold time ☒ yes ☐ no ☐ N/A

Received in good condition ☒ yes ☐ no ☐ N/A

Temp. Blank °C _____ /Frozen ice packs ☐ N/A

Samples received preserved ☒ yes ☐ no ☐ N/A

COMMENTS

	DATE	TIME	
RELINQUISHED BY SAMPLER:	12/13/01	1635	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE 12/13/01	TIME 11:35	RECEIVED BY LABORATORY: Martha A. Nixon

SPLIT DATA WITH ESN NORTHATLANTIC

analytics environmental laboratory LLC

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analytics@analyticslab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 46675

Revision: Rev. 0

Re: DRU 034-01

Enclosed are the results of the analyses on your sample(s). Samples were received on 26 December 2001 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
46675-1	12/21/01	SW-5	EPA 8260B (Halocarbons only)	
46675-2	12/21/01	GP-15	EPA 8260B (Halocarbons only)	
46675-3	12/21/01	GP-17	EPA 8260B (Halocarbons only)	
46675-4	12/21/01	GP-20	EPA 8260B (Halocarbons only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, North Carolina and is validated by the U.S. Army Corps of Engineers. A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature [signature]

Date 1/4/2002

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analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

January 2, 2002

SAMPLE DATA

Lab Sample ID: 46675-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 12/21/01
Lab Receipt Date: 12/26/01
Analysis Date: 12/30/01

CLIENT SAMPLE ID

Project Name: DRU 034-01

Project Number:

Field Sample ID: SW-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Vinyl chloride	2	U	1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U	1,1,1-Trichloroethane	2	U
cis-1,2-Dichloroethene	2	U	1,1,2-Trichloroethane	2	U
trans-1,2-Dichloroethene	2	U	1,1,2,2-Tetrachloroethane	2	U
Trichloroethene	2	1 J	Chlorobenzene	2	U
Tetrachloroethene	2	U	Bromoform	2	U
Chloromethane	2	U	Dichlorodifluoromethane	2	U
Methylene chloride	5	U	Trichlorofluoromethane	2	U
Chloroform	2	U	1,3-Dichlorobenzene	2	U
Carbon tetrachloride	2	U	1,2-Dichlorobenzene	2	U
Bromodichloromethane	2	U	1,4-Dichlorobenzene	2	U
Dibromochloromethane	2	U	1,2-Dichloropropane	2	U
Bromomethane	2	U	cis-1,3-Dichloropropene	2	U
Chloroethane	2	U	trans-1,3-Dichloropropene	2	U
1,1-Dichloroethane	2	U	2-Chloroethylvinyl ether	15	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 100 % d8-Toluene 100 % Bromofluorobenzene 99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

601/624

Authorized signature [signature]

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

January 2, 2002

CLIENT SAMPLE ID

Project Name: DRU 034-01

Project Number:

Field Sample ID: GP-15

SAMPLE DATA

Lab Sample ID: 46675-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 20
Collection Date: 12/21/01
Lab Receipt Date: 12/26/01
Analysis Date: 12/31/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Vinyl chloride	40	U	1,2-Dichloroethane	40	U
1,1-Dichloroethene	40	U	1,1,1-Trichloroethane	40	**43**
cis-1,2-Dichloroethene	40	**245**	1,1,2-Trichloroethane	40	U
trans-1,2-Dichloroethene	40	U	1,1,2,2-Tetrachloroethane	40	U
Trichloroethene	40	**905**	Chlorobenzene	40	U
Tetrachloroethene	40	**35 J**	Bromoform	40	U
Chloromethane	40	U	Dichlorodifluoromethane	40	U
Methylene chloride	100	U	Trichlorofluoromethane	40	U
Chloroform	40	U	1,3-Dichlorobenzene	40	U
Carbon tetrachloride	40	U	1,2-Dichlorobenzene	40	U
Bromodichloromethane	40	U	1,4-Dichlorobenzene	40	U
Dibromochloromethane	40	U	1,2-Dichloropropane	40	U
Bromomethane	40	U	cis-1,3-Dichloropropene	40	U
Chloroethane	40	U	trans-1,3-Dichloropropene	40	U
1,1-Dichloroethane	40	U	2-Chloroethylvinyl ether	300	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	101 %	Bromofluorobenzene	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

601/624

Authorized signature

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

January 2, 2002

CLIENT SAMPLE ID

Project Name: DRU 034-01

Project Number:

Field Sample ID: GP-17

SAMPLE DATA

Lab Sample ID:	46675-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	12/21/01
Lab Receipt Date:	12/26/01
Analysis Date:	12/31/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Vinyl chloride	2	U	1,2-Dichloroethane	2	U
1,1-Dichloroethene	2	U	1,1,1-Trichloroethane	2	U
cis-1,2-Dichloroethene	2	U	1,1,2-Trichloroethane	2	U
trans-1,2-Dichloroethene	2	U	1,1,2,2-Tetrachloroethane	2	U
Trichloroethene	2	2	Chlorobenzene	2	U
Tetrachloroethene	2	6	Bromoform	2	U
Chloromethane	2	U	Dichlorodifluoromethane	2	U
Methylene chloride	5	U	Trichlorofluoromethane	2	U
Chloroform	2	U	1,3-Dichlorobenzene	2	U
Carbon tetrachloride	2	U	1,2-Dichlorobenzene	2	U
Bromodichloromethane	2	U	1,4-Dichlorobenzene	2	U
Dibromochloromethane	2	U	1,2-Dichloropropane	2	U
Bromomethane	2	U	cis-1,3-Dichloropropene	2	U
Chloroethane	2	U	trans-1,3-Dichloropropene	2	U
1,1-Dichloroethane	2	U	2-Chloroethylvinyl ether	15	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106 %	d8-Toluene	101 %	Bromofluorobenzene	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

601/624

Authorized signature

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

January 2, 2002

CLIENT SAMPLE ID

Project Name: DRU 034-01

Project Number:

Field Sample ID: GP-20

SAMPLE DATA

Lab Sample ID: 46675-4
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 20
Collection Date: 12/21/01
Lab Receipt Date: 12/26/01
Analysis Date: 12/31/01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Vinyl chloride	40	U	1,2-Dichloroethane	40	U
1,1-Dichloroethene	40	U	1,1,1-Trichloroethane	40	**37 J**
cis-1,2-Dichloroethene	40	**147**	1,1,2-Trichloroethane	40	U
trans-1,2-Dichloroethene	40	U	1,1,2,2-Tetrachloroethane	40	U
Trichloroethene	40	**657**	Chlorobenzene	40	U
Tetrachloroethene	40	**33 J**	Bromoform	40	U
Chloromethane	40	U	Dichlorodifluoromethane	40	U
Methylene chloride	100	U	Trichlorofluoromethane	40	U
Chloroform	40	U	1,3-Dichlorobenzene	40	U
Carbon tetrachloride	40	U	1,2-Dichlorobenzene	40	U
Bromodichloromethane	40	U	1,4-Dichlorobenzene	40	U
Dibromochloromethane	40	U	1,2-Dichloropropane	40	U
Bromomethane	40	U	cis-1,3-Dichloropropene	40	U
Chloroethane	40	U	trans-1,3-Dichloropropene	40	U
1,1-Dichloroethane	40	U	2-Chloroethylvinyl ether	300	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	101 %	Bromofluorobenzene	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

601/624

Authorized signature Stephen L. Kenley MGR

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

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PROJECT MANAGER: M. Reynolds
TELEPHONE:
FAX # / E-MAIL:
COMPANY:
PURCHASE ORDER # / BILL TO:
ADDRESS:
PROJECT NAME: DRU034-01
SAMPLER NAME: MDR

ANALYSES: 8260-halocarbons only

LABORATORY REPORT #:
Delivered by:

TURNAROUND REQUEST
☒ Standard 1/4/02
☐ Priority (SURCHARGE)
Quote #

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	* METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	8260-halocarbons only	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SW-5	2	VOA vial		X	GW	X		4°C	12/21/01	0900	X	46675-1
GP-15	2	↓		X	↓	X		↓	↓	1440	X	-2
GP-17	2	↓		X	↓	X		↓	↓	0845	X	-3
GP-20	2	↓		X	↓	X		↓	↓	1150	X	-4

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C 5°C /Frozen ice packs ☐ N/A
Samples received preserved ☒ yes ☐ no ☐ N/A

COMMENTS
* Samples not preserved with HCl. Please run within 7-day hold time. (12/28/01). Thanks.

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY: [signature]	12/26/01	1200
RELINQUISHED BY:		

RECEIVED BY:
RECEIVED BY: Margaret S. Metzo
RECEIVED BY LABORATORY:

006/006

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

ANALYSES

LABORATORY REPORT #

PROJECT MANAGER	TELEPHONE	FAX # / E-MAIL
Matthew Reynolds	771-5546	771-5547

COMPANY	PURCHASE ORDER # / BILL TO
Franklin Environmental LLC	01-007

ADDRESS: P O Box 392 Portland ME 04112

PROJECT NAME	SAMPLER NAME
Casco #107	MDR

Delivered by: M. Reynolds

TURNAROUND REQUEST
- ☒ Standard
- ☐ Priority (SURCHARGE)

Quote #_____

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	8260 + Hexachloro Only	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SW-5	2	40ml		X	GW	X		4°C	12/21/01	0900	X	AEL
GP-15	↓	↓		↓	↓	↓		↓	12/21/01	1440	X	↓
GP-17									12/21/01	0845	X	
GP-20									12/21/01	1150	X	

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C _____ (Frozen ice packs) ☐ N/A
Samples received preserved ☐ yes ☒ no ☐ N/A

COMMENTS: Samples not preserved w/HCl. AEL will run within 7-day hold time. MM 12-21-01

	DATE	TIME	
RELINQUISHED BY SAMPLER: MDR	12/21/01	1705	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE 12/21/01	TIME 1705	RECEIVED BY LABORATORY: Marina A. Mixon

MAY 2002 SAMPLING EVENT

- **Groundwater**
- **Surface Water**
- **Sediments**

analytics environmental laboratory LLC

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800-929-9906
analytics@analyticslab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 47406

Revision: Rev. 0

Re: DRU 035-02

Enclosed are the results of the analyses on your sample(s). Samples were received on 03 May 2002 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
47406-1	05/01/02	MW-5	EPA 8260 Volatile Organics	
47406-2	05/01/02	MW-11A	EPA 8260 Volatile Organics	
	05/01/02	MW-11A	Maine HETL Method 4.1.25	
47406-3	05/01/02	MW-15B	EPA 8260 Volatile Organics	
	05/01/02	MW-15B	Maine HETL Method 4.1.25	
47406-4	05/01/02	MW-14B	EPA 8260 Volatile Organics	
	05/01/02	MW-14B	Maine HETL Method 4.1.25	
47406-5	05/01/02	MW-12A	EPA 8260 Volatile Organics	
	05/01/02	MW-12A	Maine HETL Method 4.1.25	
47406-6	05/01/02	MW-13A	EPA 8260 Volatile Organics	
	05/01/02	MW-13A	Maine HETL Method 4.1.25	
47406-7	05/01/02	DUP-1-0502	EPA 8260 Volatile Organics	
	05/01/02	DUP-1-0502	Maine HETL Method 4.1.25	
47406-8	05/01/02	MW-6	EPA 8260 Volatile Organics	
	05/01/02	MW-6	Maine HETL Method 4.1.25	
47406-9	05/01/02	MW-13B	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Kholmeyer Lab. Director

Date 5/15/2002

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Report Number: 47406

Revision: Rev. 0

Re: DRU 035-02

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Lab Number	Sample Date	Station Location	Analysis	Comments
	05/01/02	MW-13B	Maine HETL Method 4.1.25	
47406-10	05/01/02	MW-10A	EPA 8260 Volatile Organics	
	05/01/02	MW-10A	Maine HETL Method 4.1.25	
47406-11	05/01/02	MW-10B	EPA 8260 Volatile Organics	
	05/01/02	MW-10B	Maine HETL Method 4.1.25	
47406-12	05/01/02	MW-4	EPA 8260 Volatile Organics	
47406-13	05/01/02	MW-2	EPA 8260 Volatile Organics	
47406-14	05/02/02	SW-4A	EPA 8260 Volatile Organics	
	05/02/02	SW-4A	Maine HETL Method 4.1.25	
47406-15	05/02/02	SW-6	EPA 8260 Volatile Organics	
	05/02/02	SW-6	Maine HETL Method 4.1.25	
47406-16	05/02/02	SW-7	EPA 8260 Volatile Organics	
47406-17	05/02/02	SW-8	EPA 8260 Volatile Organics	
	05/02/02	SW-8	Maine HETL Method 4.1.25	
47406-18	05/02/02	SW-1	EPA 8260 Volatile Organics	
	05/02/02	SW-1	Maine HETL Method 4.1.25	

Sample Receipt Exceptions: None

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Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 5/15/2002

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APPENDIX D

MEL LABORATORY REPORTS OF ANALYSIS

DATA QUALITY EVALUATION

LABORATORY PERFORMANCE AND DATA QUALITY

Sampling and analysis of soil and water samples during the RI were conducted in accordance with the methods and procedures described in the *Project Operations Plan* (Drumlin, August 2001) and the *Site Characterization and Work Plan* (Drumlin, October 2001). Analytical data were generated using the USEPA and Health and Environmental Testing Laboratory (HETL) Methods. All data have been reviewed for conformance to method requirements, as summarized below.

ESN NorthAtlantic Field Laboratory: ESN NorthAtlantic operated a field laboratory on-site during December 20 and 21, 2001. Groundwater and surface water samples were analyzed for selected halogenated volatile organic compounds (VOCs) using SW-846 Method 8021B.

During its analysis of water samples at the site, ESN analyzed a method blank sample, which was below the method detection limit of 1 ug/L. ESN monitored analytical performance through continuing calibration checks and surrogate recovery evaluations. Surrogate recoveries were within the recommended range of the method.

ESN analyzed one field duplicate, which was within 15 percent. Drumlin also submitted 4 split samples to both ESN and to MEL. ESN and MEL detected similar compounds at similar concentrations in these split samples.

Based on the quality assurance procedures used, all ESN data are considered usable.

Maine Environmental Laboratory Data: MEL and its subcontractor Analytics Environmental Laboratory (AEL) performed analysis on soil, sediment, surface water and groundwater from the PBWO-Casco site. All data generated by MEL/AEL have been reviewed to determine conformance with method hold times, surrogate recoveries and blank interference. The results of this review is summarized below.

- Method Hold Times: All samples were analyzed within the method hold times

- Surrogate Recoveries: All surrogate recovery data was within the limits set by the method except:

    - MW-17A analysis for DRO had a low surrogate recovery. The lab reanalyzed the sample to confirm the results.
    - SED-SW-1 had a low surrogate recovery. The lab reanalyzed the sample to confirm the results.
    - SED-1A-03 and SED-2A-03 analyses for VOCs had a low surrogate recovery due to sample moisture. The lab reanalyzed the sample to confirm the results.
    - SED-2A-03 analysis for PCBs had a low recovery of one surrogate and an acceptable recovery the other surrogate.

- Blank Interference: None of the analytes detected were also detected in laboratory method blanks.

Four duplicate samples were also collected from groundwater and surface water locations. The relative percent difference (RPD) between samples and duplicates have been tabulated and included in this appendix. In all but one instance, the RPDs were 11% or less.
Based on the evaluation of the data described above, all data are considered usable.

Historical MDEP Data: As described in the *Site Characterization and Work Plan*, soil and groundwater data from the PBWO-Casco site were generated by the USEPA in 1991 and the MDEP in 1997 and 1998. The 1991 data are not usable for site characterization because the sampling locations could not be positively identified. During its investigations in the summer of 1997, the MDEP installed six monitoring wells identified as MW-1 through MW-6. The MDEP also performed a survey that recorded the location of soil borings SB-1 through SB-20 in relation to wells MW-2 and MW-4. On August 31, 2001, Drumlin and MDEP staff visited the site, located wells MW-1, MW-2, MW-4, MW-5 and MW-6, and used the MDEP survey data to relocate and mark SB-1 through SB-20.

Samples collected by the MDEP in 1997 and 1998 were analyzed in the field, with split samples submitted to the HETL. Laboratory reports of analysis for these samples are not available for quality control review.

As a qualitative check on the 1997 and 1998 groundwater data, wells MW-2, MW-4 and MW-6 were resampled during the RI. The types of compounds detected in these wells and the relative magnitude of the concentrations were consistent between the 1997/1998 and the RI data. As a qualitative check on the 1997 soil data from the gravel pit area, the RI included borings located amongst the 1997 borings. As with the groundwater data, the types of compounds and relative concentrations are consistent between the 1997 and RI soil data.

Based on this comparison, the 1997 and 1998 MDEP data are presented in this RI report and were considered along with the RI data in characterizing the source area and compounds migrating from the source area.

Removal Action Source Data: Analytical data were collected during the removal action using a combination of methods, including field laboratory, field instrumentation (i.e., PID and X-ray fluorescence) and off-site laboratory. All analytical work was approved for use during the removal action by the MDEP.

Drumlin has not conducted an independent quality assurance assessment of the removal action data, but has incorporated confirmatory data from the removal action into relevant sections of the RI report, to provide a current characterization of the source area (i.e., Section 5.0).

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PO Box 1107
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Report Number: 47406

Revision: Rev. 0

Re: DRU 035-02

Enclosed are the results of the analyses on your sample(s). Samples were received on 03 May 2002 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
47406-19	05/02/02	DUP-2-0502	EPA 8260 Volatile Organics	
	05/02/02	DUP-2-0502	Maine HETL Method 4.1.25	
47406-20	05/02/02	SED-SW1	EPA 8260 Volatile Organics	
	05/02/02	SED-SW1	Maine HETL Method 4.1.25	
47406-21	05/02/02	SED-SW1A	EPA 8260 Volatile Organics	
	05/02/02	SED-SW1A	Maine HETL Method 4.1.25	
47406-22	05/02/02	SED-SW2A	EPA 8260 Volatile Organics	
	05/02/02	SED-SW2A	Maine HETL Method 4.1.25	
47406-23	05/02/02	SED-SW2	EPA 8260 Volatile Organics	
	05/02/02	SED-SW2	Maine HETL Method 4.1.25	
47406-24	05/02/02	SED-SW8	EPA 8260 Volatile Organics	
	05/02/02	SED-SW8	Maine HETL Method 4.1.25	
47406-25	05/02/02	SED-SW8A	EPA 8260 Volatile Organics	
	05/02/02	SED-SW8A	Maine HETL Method 4.1.25	
47406-26	04/25/02	TB-0502	EPA 8260 Volatile Organics	
47406-27	05/02/02	SED-TB	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 5/15/2002

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

May 9, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-5

Lab Sample ID: 47406-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	117 %	d8-Toluene	103 %	Bromofluorobenzene	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

analytics environmental laboratory LLC

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 9, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-11A

SAMPLE DATA

Lab Sample ID: 47406-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	10
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	121 %	d8-Toluene	104 %	Bromofluorobenzene	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

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Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-11A

SAMPLE DATA

Lab Sample ID:	47406-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

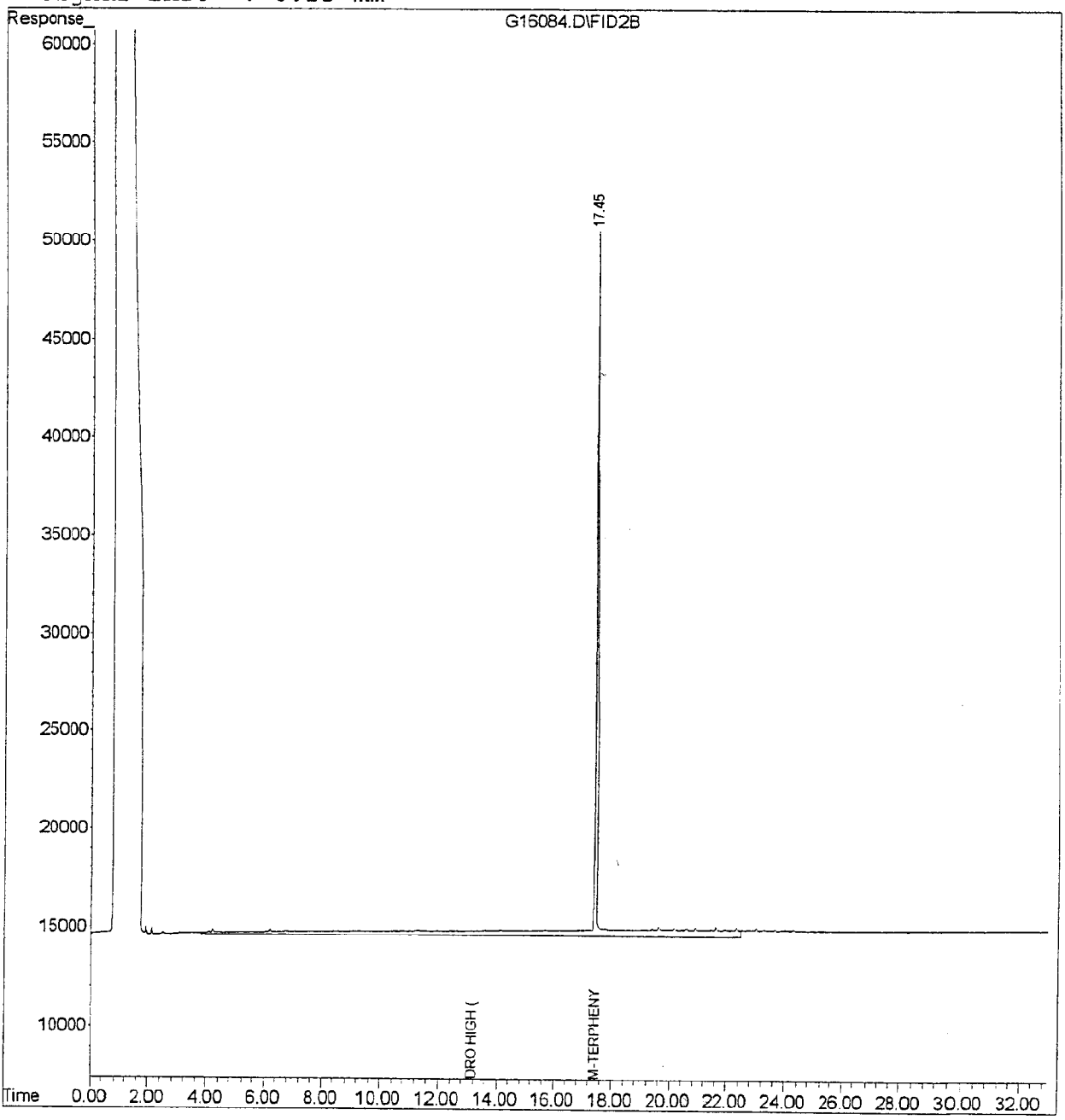
COMMENTS:

Authorized signature Melissa A. Sulli

Data File : D:\HPCHEM\2\DATA\050702-G\G16084.D Vial: 22
Acq On : 8 May 2002 12:47 am Operator: MT
Sample : 47406-2 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:49 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-15B

Lab Sample ID: 47406-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 20
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	40	U	1,3-Dichloropropane	40	U
Bromobenzene	40	U	cis-1,3-Dichloropropene	40	U
Bromochloromethane	40	U	trans-1,3-Dichloropropene	40	U
Bromodichloromethane	40	U	2,2-Dichloropropane	40	U
Bromoform	40	U	1,1-Dichloropropene	40	U
Bromomethane	40	U	Ethylbenzene	40	U
n-butylbenzene	40	U	Hexachlorobutadiene	40	U
sec-butylbenzene	40	U	Isopropylbenzene	40	U
tert-butylbenzene	40	U	p-isopropyltoluene	40	U
Carbon Tetrachloride	40	U	Methylene Chloride	100	U
Chlorobenzene	40	U	Methyl-tert-butyl ether	40	U
Chloroethane	40	U	Naphthalene	40	U
Chloroform	40	U	n-Propylbenzene	40	U
Chloromethane	40	U	Styrene	40	U
2-Chlorotoluene	40	U	1,1,1,2-Tetrachloroethane	40	U
4-Chlorotoluene	40	U	1,1,2,2-Tetrachloroethane	40	U
Dibromochloromethane	40	U	Tetrachloroethene	40	**30 J**
1,2-Dibromo-3-chloropropane	40	U	Toluene	40	U
1,2-Dibromoethane	40	U	1,2,3-Trichlorobenzene	40	U
Dibromomethane	40	U	1,2,4-Trichlorobenzene	40	U
1,2-Dichlorobenzene	40	U	1,1,1-Trichloroethane	40	**38 J**
1,3-Dichlorobenzene	40	U	1,1,2-Trichloroethane	40	U
1,4-Dichlorobenzene	40	U	Trichloroethene	40	**787**
Dichlorodifluoromethane	40	U	Trichlorofluoromethane	40	U
1,1-Dichloroethane	40	U	1,2,3-Trichloropropane	40	U
1,2-Dichloroethane	40	U	1,2,4-Trimethylbenzene	40	U
1,1-Dichloroethene	40	U	1,3,5-Trimethylbenzene	40	U
cis-1,2-Dichloroethene	40	**160**	Vinyl Chloride	40	U
trans-1,2-Dichloroethene	40	U	o-Xylene	40	U
1,2-Dichloropropane	40	U	m,p-Xylene	40	U
Acetone	200	U	Diethyl ether	40	U
Carbon Disulfide	40	U	2-Hexanone	200	U
Tetrahydrofuran	100	U	Methyl isobutyl ketone	200	U
Methyl ethyl ketone	200	U	Di-isopropyl ether	40	U
t-Butyl alcohol	1600	U	Ethyl t-butyl ether	40	U
t-Amyl methyl ether	40	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	124 %	d8-Toluene	106 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A. Kelli

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-15B

SAMPLE DATA

Lab Sample ID:	47406-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	96	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

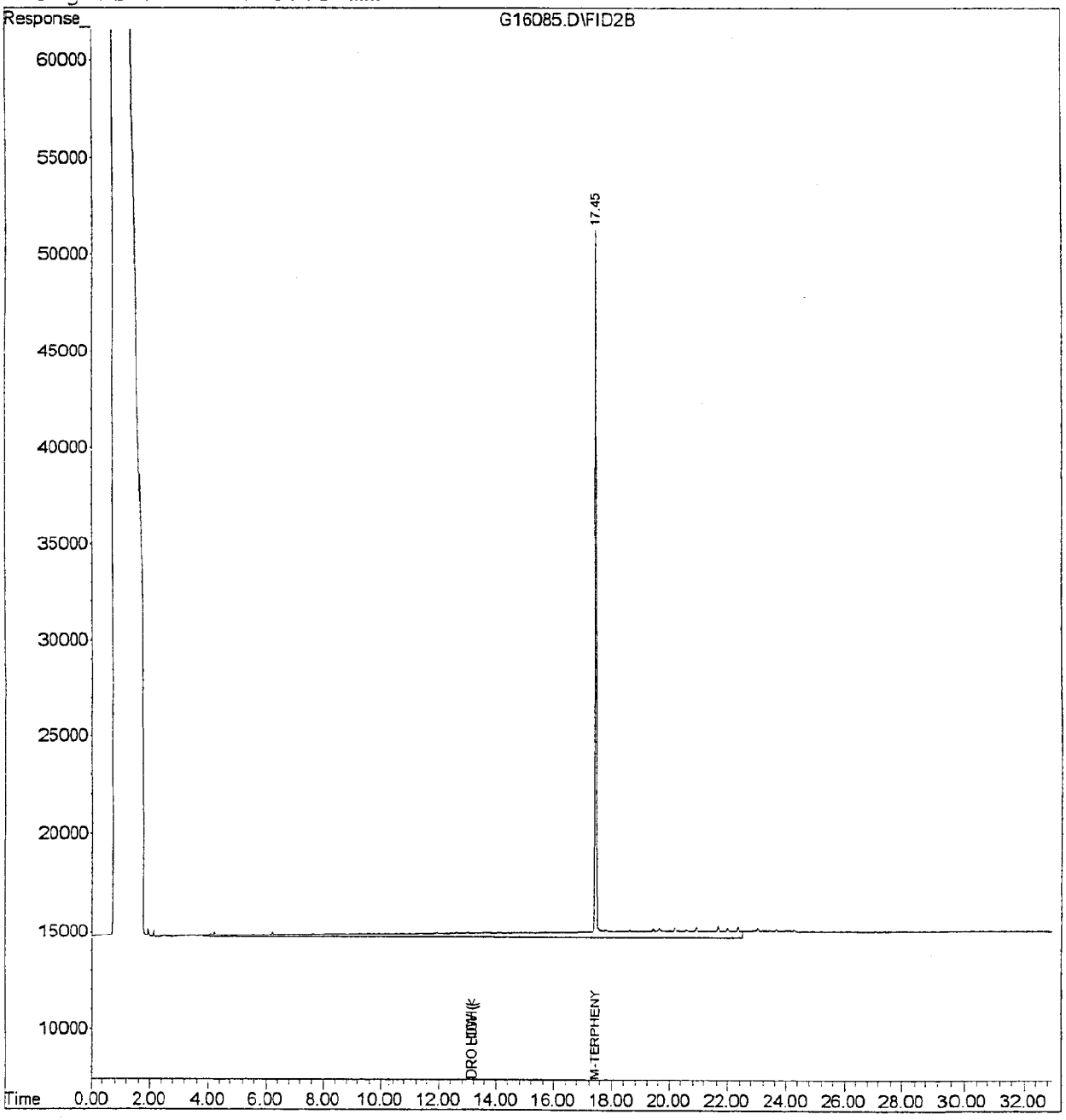
COMMENTS:

Authorized signature Melissa A Valli

Data File : D:\HPCHEM\2\DATA\050702-G\G16085.D Vial: 23
Acq On : 8 May 2002 1:27 am Operator: MT
Sample : 47406-3 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:49 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-14B

SAMPLE DATA

Lab Sample ID: 47406-4
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 20
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	40	U	1,3-Dichloropropane	40	U
Bromobenzene	40	U	cis-1,3-Dichloropropene	40	U
Bromochloromethane	40	U	trans-1,3-Dichloropropene	40	U
Bromodichloromethane	40	U	2,2-Dichloropropane	40	U
Bromoform	40	U	1,1-Dichloropropene	40	U
Bromomethane	40	U	Ethylbenzene	40	U
n-butylbenzene	40	U	Hexachlorobutadiene	40	U
sec-butylbenzene	40	U	Isopropylbenzene	40	U
tert-butylbenzene	40	U	p-isopropyltoluene	40	U
Carbon Tetrachloride	40	U	Methylene Chloride	100	U
Chlorobenzene	40	U	Methyl-tert-butyl ether	40	U
Chloroethane	40	U	Naphthalene	40	U
Chloroform	40	U	n-Propylbenzene	40	U
Chloromethane	40	U	Styrene	40	U
2-Chlorotoluene	40	U	1,1,1,2-Tetrachloroethane	40	U
4-Chlorotoluene	40	U	1,1,2,2-Tetrachloroethane	40	U
Dibromochloromethane	40	U	Tetrachloroethene	40	U
1,2-Dibromo-3-chloropropane	40	U	Toluene	40	U
1,2-Dibromoethane	40	U	1,2,3-Trichlorobenzene	40	U
Dibromomethane	40	U	1,2,4-Trichlorobenzene	40	U
1,2-Dichlorobenzene	40	U	1,1,1-Trichloroethane	40	U
1,3-Dichlorobenzene	40	U	1,1,2-Trichloroethane	40	U
1,4-Dichlorobenzene	40	U	Trichloroethene	40	388
Dichlorodifluoromethane	40	U	Trichlorofluoromethane	40	U
1,1-Dichloroethane	40	U	1,2,3-Trichloropropane	40	U
1,2-Dichloroethane	40	U	1,2,4-Trimethylbenzene	40	U
1,1-Dichloroethene	40	U	1,3,5-Trimethylbenzene	40	U
cis-1,2-Dichloroethene	40	90	Vinyl Chloride	40	U
trans-1,2-Dichloroethene	40	U	o-Xylene	40	U
1,2-Dichloropropane	40	U	m,p-Xylene	40	U
Acetone	200	U	Diethyl ether	40	U
Carbon Disulfide	40	U	2-Hexanone	200	U
Tetrahydrofuran	100	U	Methyl isobutyl ketone	200	U
Methyl ethyl ketone	200	U	Di-isopropyl ether	40	U
t-Butyl alcohol	1600	U	Ethyl t-butyl ether	40	U
t-Amyl methyl ether	40	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	124 %	d8-Toluene	104 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Tuttle

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-14B

SAMPLE DATA

Lab Sample ID:	47406-4
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	96	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

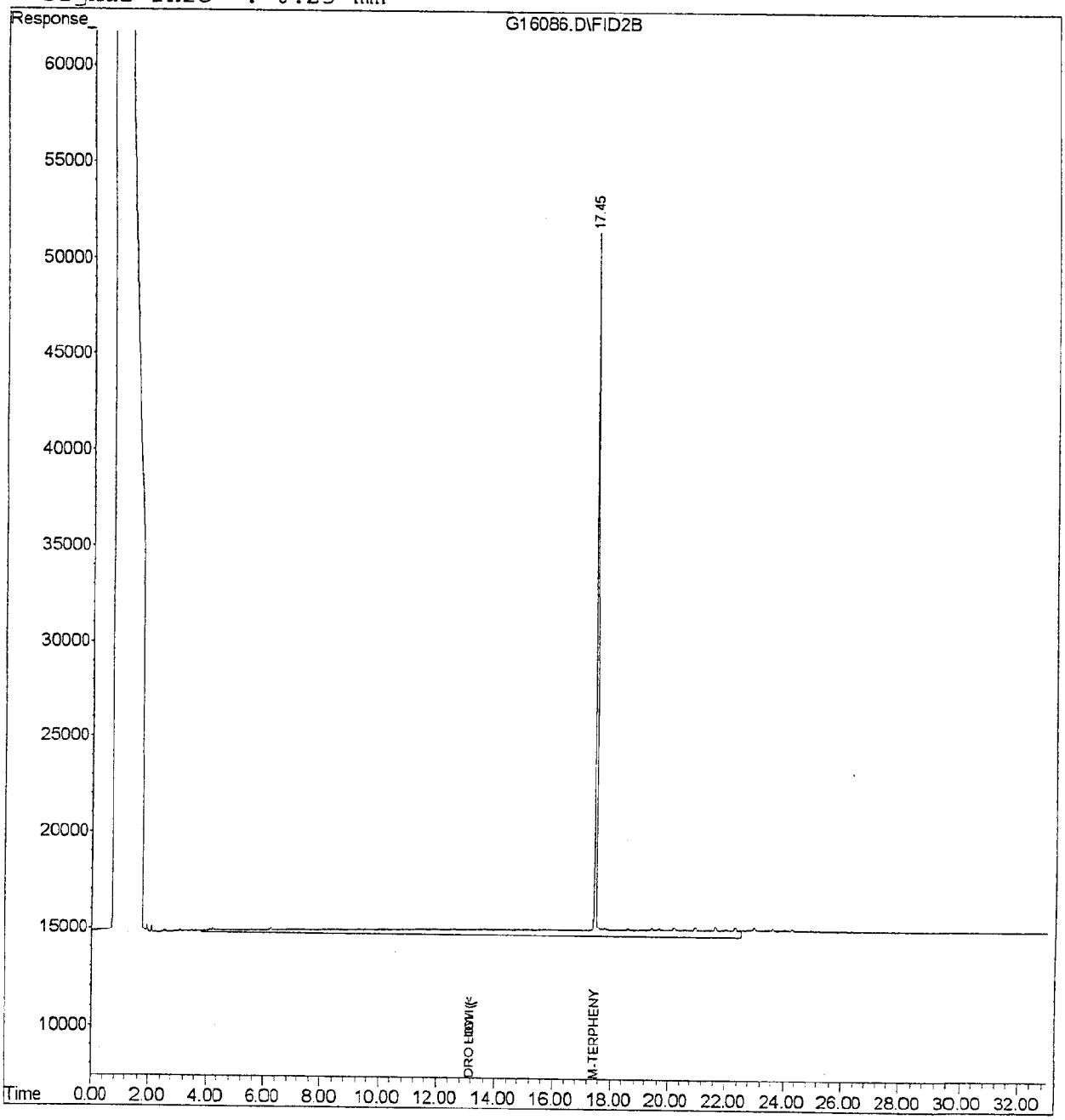
DRO Report

Authorized signature Melissa Arbuckle

Data File : D:\HPCHEM\2\DATA\050702-G\G16086.D Vial: 24
Acq On : 8 May 2002 2:08 am Operator: MT
Sample : 47406-4 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:50 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 9, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-12A

SAMPLE DATA

Lab Sample ID: 47406-5
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	4
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	3
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	66
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	18	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	127 %	d8-Toluene	104 %	Bromofluorobenzene	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Gulli

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-12A

SAMPLE DATA

Lab Sample ID:	47406-5
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

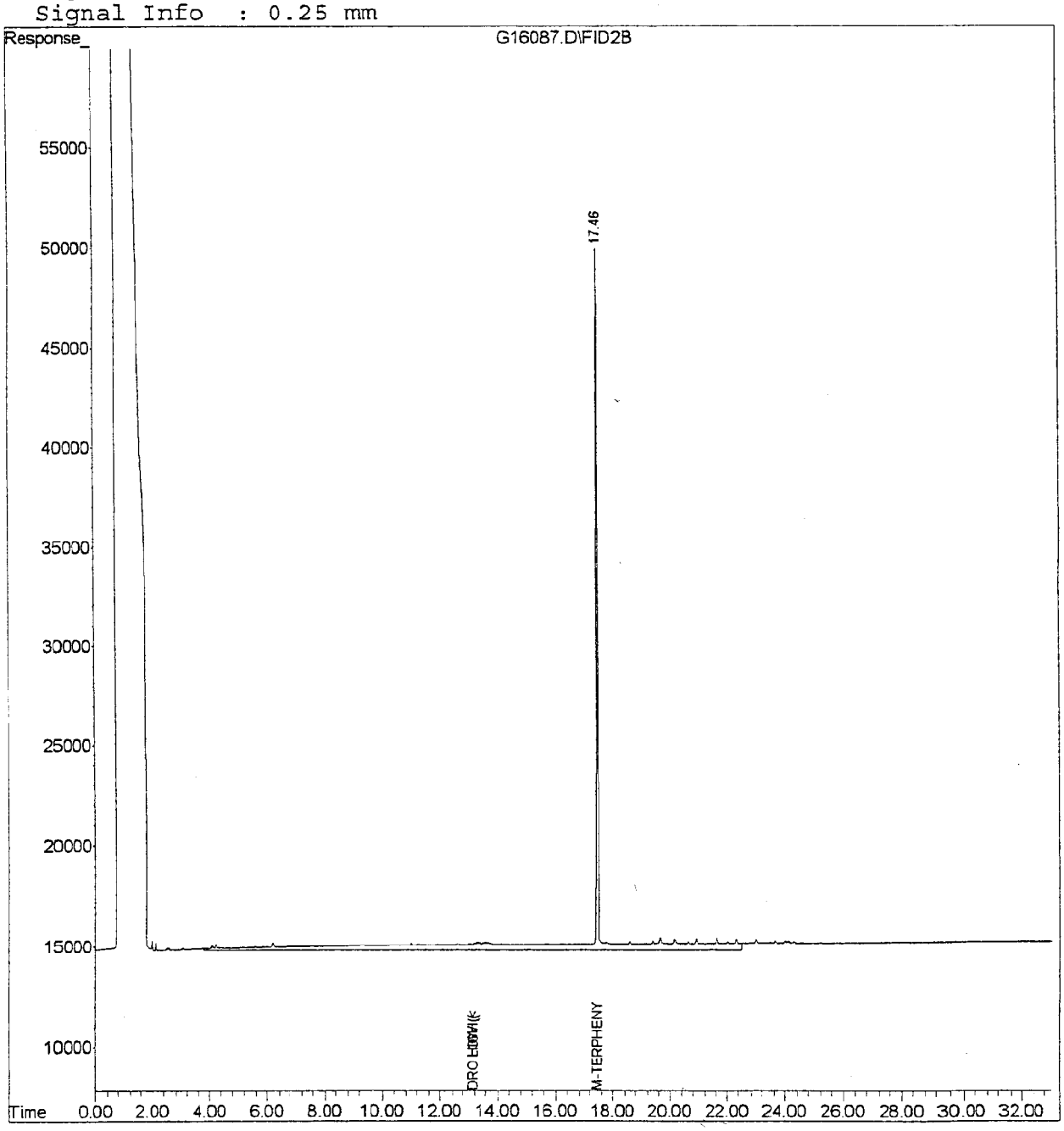
COMMENTS:

Authorized signature Melissa A Valli

Data File : D:\HPCHEM\2\DATA\050702-G\G16087.D Vial: 25
Acq On : 8 May 2002 2:48 am Operator: MT
Sample : 47406-5 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:50 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-13A

Lab Sample ID: 47406-6
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**30**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**23**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**330**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	**65**	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether	20	U
t-Butyl alcohol	800	U	Ethyl t-butyl ether	20	U
t-Amyl methyl ether	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	127 %	d8-Toluene	105 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

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May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-13A

Lab Sample ID: 47406-6
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Extraction Date: 05/06/02
Analysis Date: 05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	90	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

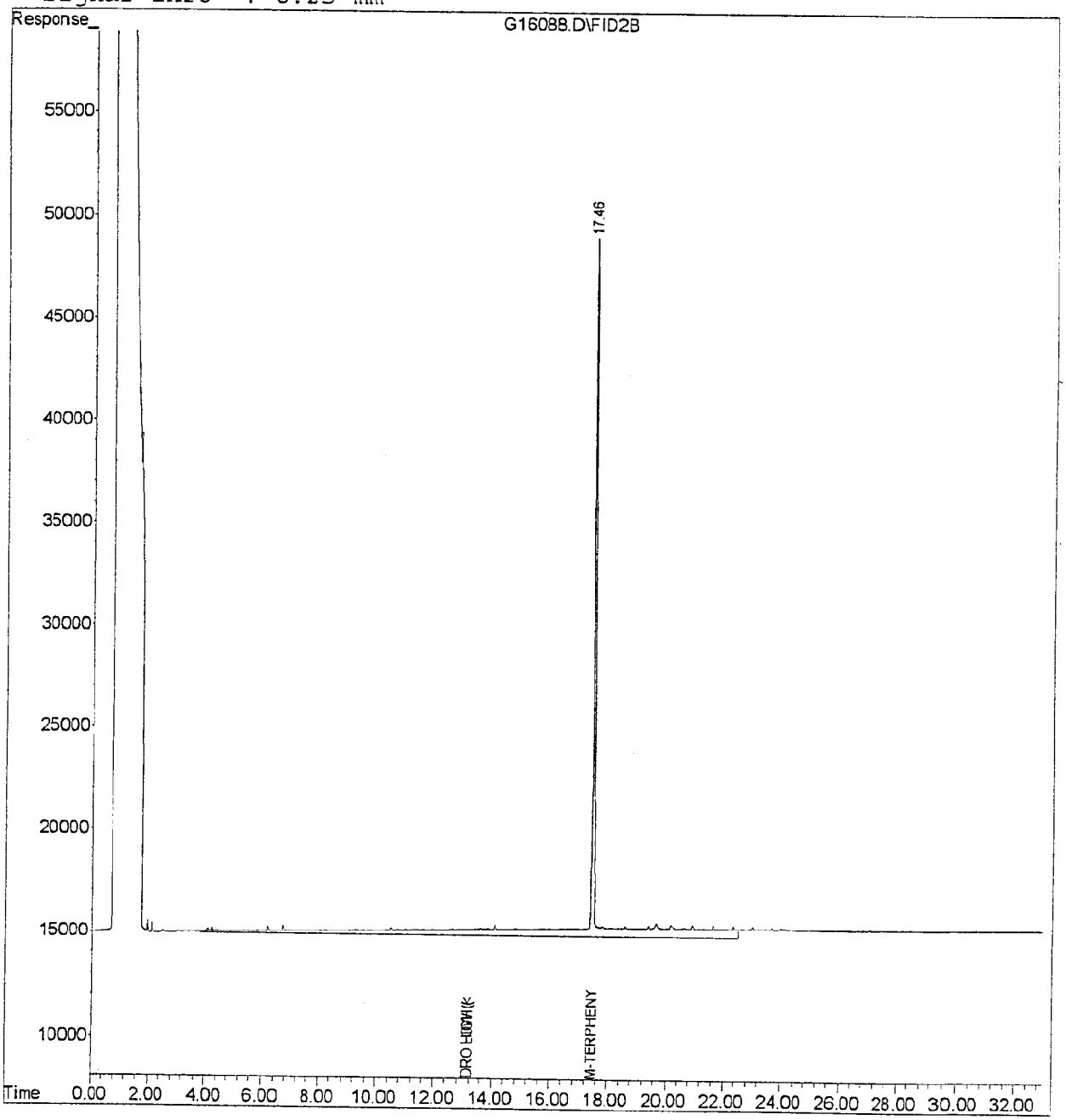
DRO Report

Authorized signature

Data File : D:\HPCHEM\2\DATA\050702-G\G16088.D Vial: 26
Acq On : 8 May 2002 3:29 am Operator: MT
Sample : 47406-6 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:50 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

SAMPLE DATA

Lab Sample ID: 47406-7
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

CLIENT SAMPLE ID

Project Name: DRU 035-02
Project Number:
Field Sample ID: DUP-1-0502

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	32
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	23
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	337
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	64	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether	20	U
t-Butyl alcohol	800	U	Ethyl t-butyl ether	20	U
t-Amyl methyl ether	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	121 %	d8-Toluene	106 %	Bromofluorobenzene	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelli

analytics environmental laboratory LLC

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: DUP-1-0502

Lab Sample ID: 47406-7
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Extraction Date: 05/06/02
Analysis Date: 05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	90	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

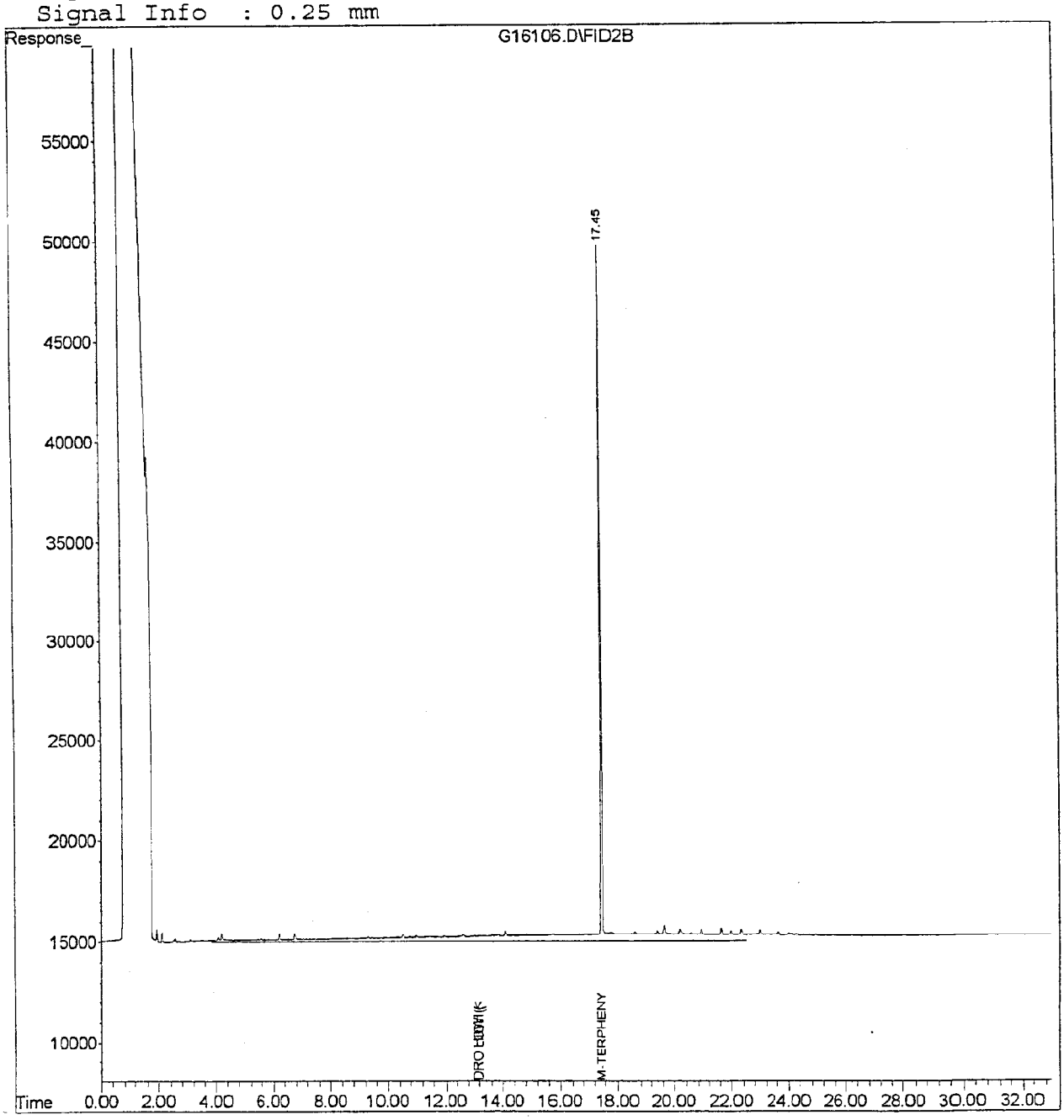
Authorized signature

Data File : D:\HPCHEM\2\DATA\050702-G\G16106.D
Acq On : 8 May 2002 10:53 am
Sample : 47406-7
Misc :
IntFile : AUTOINT1.E
Quant Time: May 9 10:53 2002 Quant Results File: D02122.RES

Vial: 27
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-6

SAMPLE DATA

Lab Sample ID: 47406-8
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 125
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	250	U	1,3-Dichloropropane	250	U
Bromobenzene	250	U	cis-1,3-Dichloropropene	250	U
Bromochloromethane	250	U	trans-1,3-Dichloropropene	250	U
Bromodichloromethane	250	U	2,2-Dichloropropane	250	U
Bromoform	250	U	1,1-Dichloropropene	250	U
Bromomethane	250	U	Ethylbenzene	250	U
n-butylbenzene	250	U	Hexachlorobutadiene	250	U
sec-butylbenzene	250	U	Isopropylbenzene	250	U
tert-butylbenzene	250	U	p-isopropyltoluene	250	U
Carbon Tetrachloride	250	U	Methylene Chloride	630	U
Chlorobenzene	250	U	Methyl-tert-butyl ether	250	U
Chloroethane	250	U	Naphthalene	250	U
Chloroform	250	U	n-Propylbenzene	250	U
Chloromethane	250	U	Styrene	250	U
2-Chlorotoluene	250	U	1,1,1,2-Tetrachloroethane	250	U
4-Chlorotoluene	250	U	1,1,2,2-Tetrachloroethane	250	U
Dibromochloromethane	250	U	Tetrachloroethene	250	U
1,2-Dibromo-3-chloropropane	250	U	Toluene	250	U
1,2-Dibromoethane	250	U	1,2,3-Trichlorobenzene	250	U
Dibromomethane	250	U	1,2,4-Trichlorobenzene	250	U
1,2-Dichlorobenzene	250	U	1,1,1-Trichloroethane	250	**181 J**
1,3-Dichlorobenzene	250	U	1,1,2-Trichloroethane	250	U
1,4-Dichlorobenzene	250	U	Trichloroethene	250	**4120**
Dichlorodifluoromethane	250	U	Trichlorofluoromethane	250	U
1,1-Dichloroethane	250	U	1,2,3-Trichloropropane	250	U
1,2-Dichloroethane	250	U	1,2,4-Trimethylbenzene	250	U
1,1-Dichloroethene	250	U	1,3,5-Trimethylbenzene	250	U
cis-1,2-Dichloroethene	250	**684**	Vinyl Chloride	250	U
trans-1,2-Dichloroethene	250	U	o-Xylene	250	U
1,2-Dichloropropane	250	U	m,p-Xylene	250	U
Acetone	1300	U	Diethyl ether	250	U
Carbon Disulfide	250	U	2-Hexanone	1300	U
Tetrahydrofuran	630	U	Methyl isobutyl ketone	1300	U
Methyl ethyl ketone	1300	U	Di-isopropyl ether	250	U
t-Butyl alcohol	10000	U	Ethyl t-butyl ether	250	U
t-Amyl methyl ether	250	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	126 %	d8-Toluene	104 %	Bromofluorobenzene	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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May 10, 2002

SAMPLE DATA

Lab Sample ID:	47406-8
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-6

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

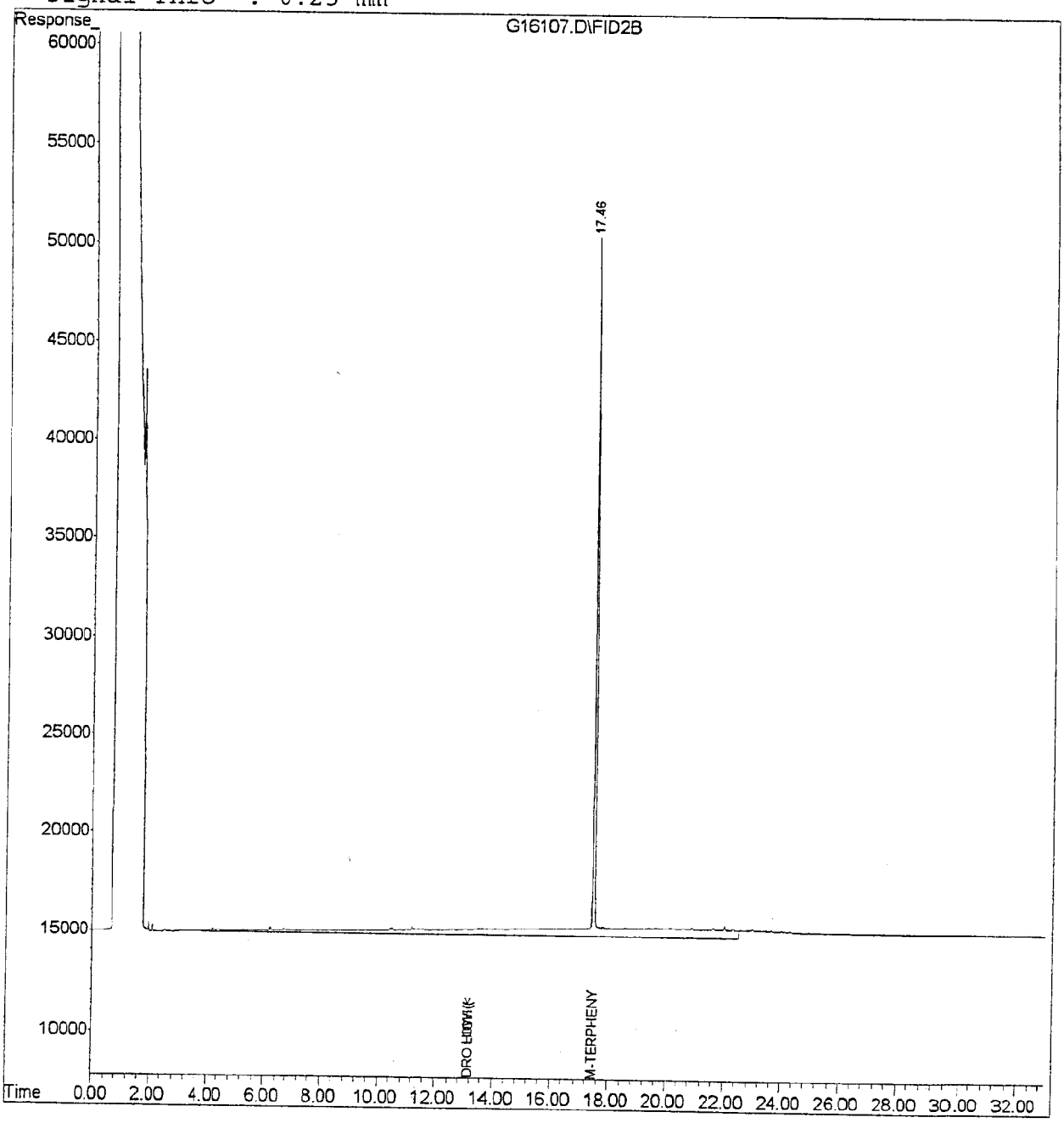
Authorized signature Melissa A Hall

Data File : D:\HPCHEM\2\DATA\050702-G\G16107.D
Acq On : 8 May 2002 11:33 am
Sample : 47406-8
Misc :
IntFile : AUTOINT1.E
Quant Time: May 9 10:53 2002 Quant Results File: D02122.RES

Vial: 28
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-13B

SAMPLE DATA

Lab Sample ID: 47406-9
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 250
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	500	U	1,3-Dichloropropane	500	U
Bromobenzene	500	U	cis-1,3-Dichloropropene	500	U
Bromochloromethane	500	U	trans-1,3-Dichloropropene	500	U
Bromodichloromethane	500	U	2,2-Dichloropropane	500	U
Bromoform	500	U	1,1-Dichloropropene	500	U
Bromomethane	500	U	Ethylbenzene	500	U
n-butylbenzene	500	U	Hexachlorobutadiene	500	U
sec-butylbenzene	500	U	Isopropylbenzene	500	U
tert-butylbenzene	500	U	p-isopropyltoluene	500	U
Carbon Tetrachloride	500	U	Methylene Chloride	1300	U
Chlorobenzene	500	U	Methyl-tert-butyl ether	500	U
Chloroethane	500	U	Naphthalene	500	U
Chloroform	500	U	n-Propylbenzene	500	U
Chloromethane	500	U	Styrene	500	U
2-Chlorotoluene	500	U	1,1,1,2-Tetrachloroethane	500	U
4-Chlorotoluene	500	U	1,1,2,2-Tetrachloroethane	500	U
Dibromochloromethane	500	U	Tetrachloroethene	500	U
1,2-Dibromo-3-chloropropane	500	U	Toluene	500	U
1,2-Dibromoethane	500	U	1,2,3-Trichlorobenzene	500	U
Dibromomethane	500	U	1,2,4-Trichlorobenzene	500	U
1,2-Dichlorobenzene	500	U	1,1,1-Trichloroethane	500	**474 J**
1,3-Dichlorobenzene	500	U	1,1,2-Trichloroethane	500	U
1,4-Dichlorobenzene	500	U	Trichloroethene	500	**10700**
Dichlorodifluoromethane	500	U	Trichlorofluoromethane	500	U
1,1-Dichloroethane	500	U	1,2,3-Trichloropropane	500	U
1,2-Dichloroethane	500	U	1,2,4-Trimethylbenzene	500	U
1,1-Dichloroethene	500	U	1,3,5-Trimethylbenzene	500	U
cis-1,2-Dichloroethene	500	**1610**	Vinyl Chloride	500	U
trans-1,2-Dichloroethene	500	U	o-Xylene	500	U
1,2-Dichloropropane	500	U	m,p-Xylene	500	U
Acetone	2500	U	Diethyl ether	500	U
Carbon Disulfide	500	U	2-Hexanone	2500	U
Tetrahydrofuran	1300	U	Methyl isobutyl ketone	2500	U
Methyl ethyl ketone	2500	U	Di-isopropyl ether	500	U
t-Butyl alcohol	20000	U	Ethyl t-butyl ether	500	U
t-Amyl methyl ether	500	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	126 %	d8-Toluene	106 %	Bromofluorobenzene	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kalli

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May 10, 2002

SAMPLE DATA

Lab Sample ID:	47406-9
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-13B

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
280	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

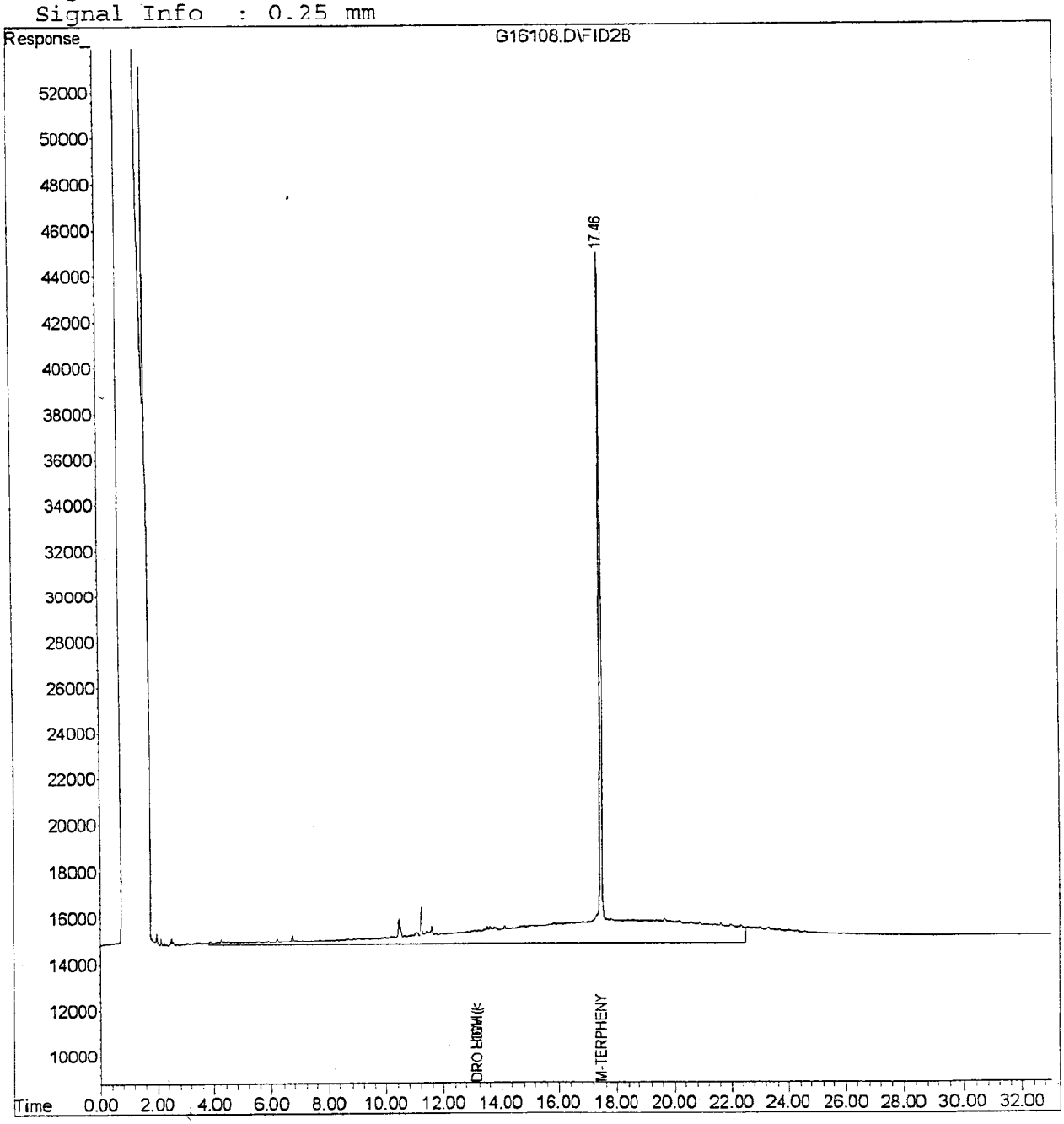
Authorized signature Melissa A. Kelli

Data File : D:\HPCHEM\2\DATA\050702-G\G16108.D
Acq On : 8 May 2002 12:13 pm
Sample : 47406-9
Misc :
IntFile : AUTOINT1.E
Quant Time: May 9 10:53 2002 Quant Results File: D02122.RES

Vial: 29
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-10A

Lab Sample ID: 47406-10
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**2**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	123 %	d8-Toluene	106 %	Bromofluorobenzene	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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Authorized signature Mylena A Hall

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-10A

SAMPLE DATA

Lab Sample ID:	47406-10
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/01/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

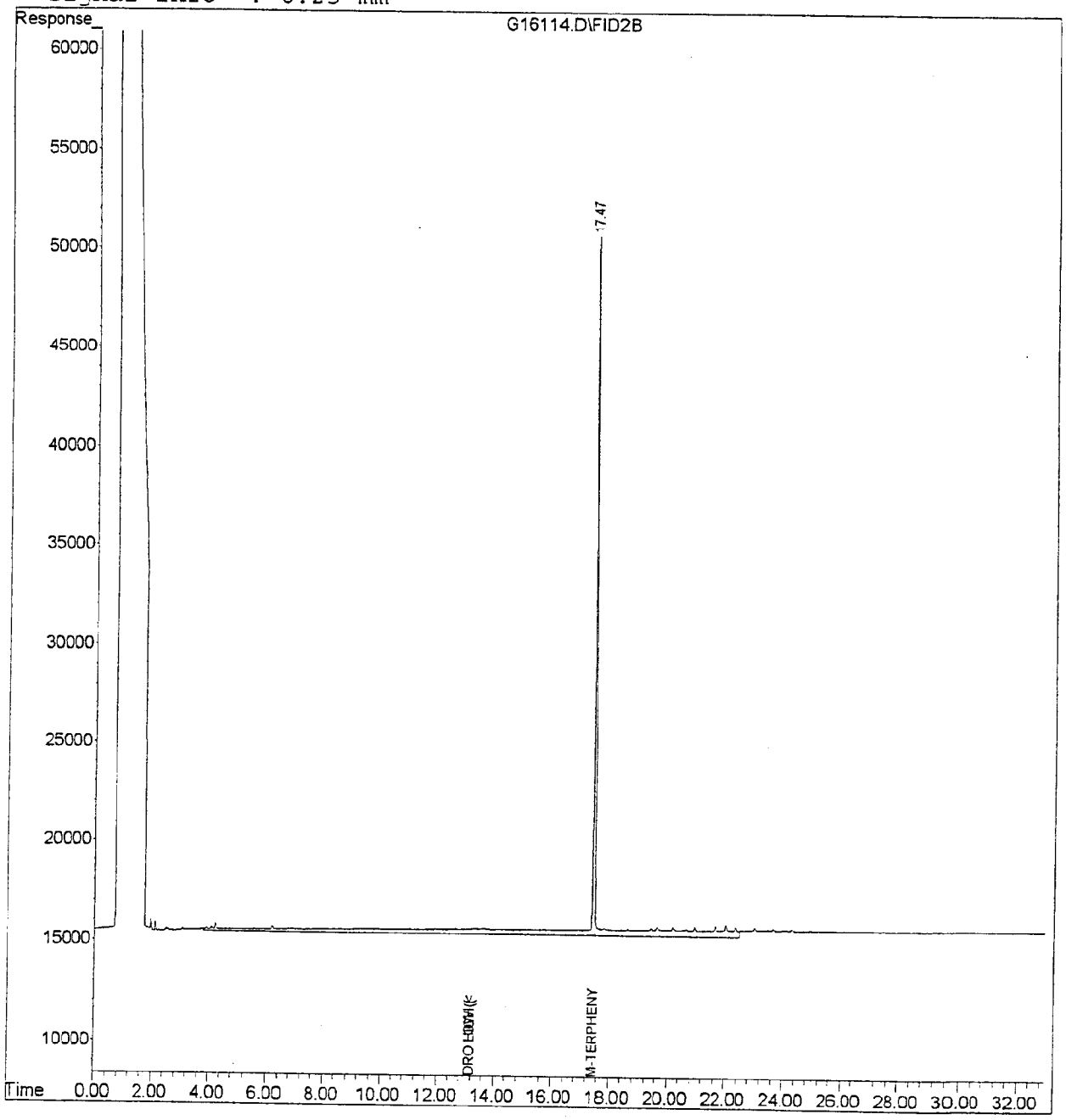
Authorized signature Melissa A Valli

Data File : D:\HPCHEM\2\DATA\050702-G\G16114.D
Acq On : 8 May 2002 4:14 pm
Sample : 47406-10
Misc :
IntFile : AUTOINT1.E
Quant Time: May 9 10:56 2002 Quant Results File: D02122.RES

Vial: 35
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Yarmouth, ME 04096-1107

May 9, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-10B

SAMPLE DATA

Lab Sample ID: 47406-11
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	4
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	3
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	15
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	118 %	d8-Toluene	104 %	Bromofluorobenzene	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Nulli

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May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-10B

Lab Sample ID: 47406-11
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Extraction Date: 05/06/02
Analysis Date: 05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	86	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

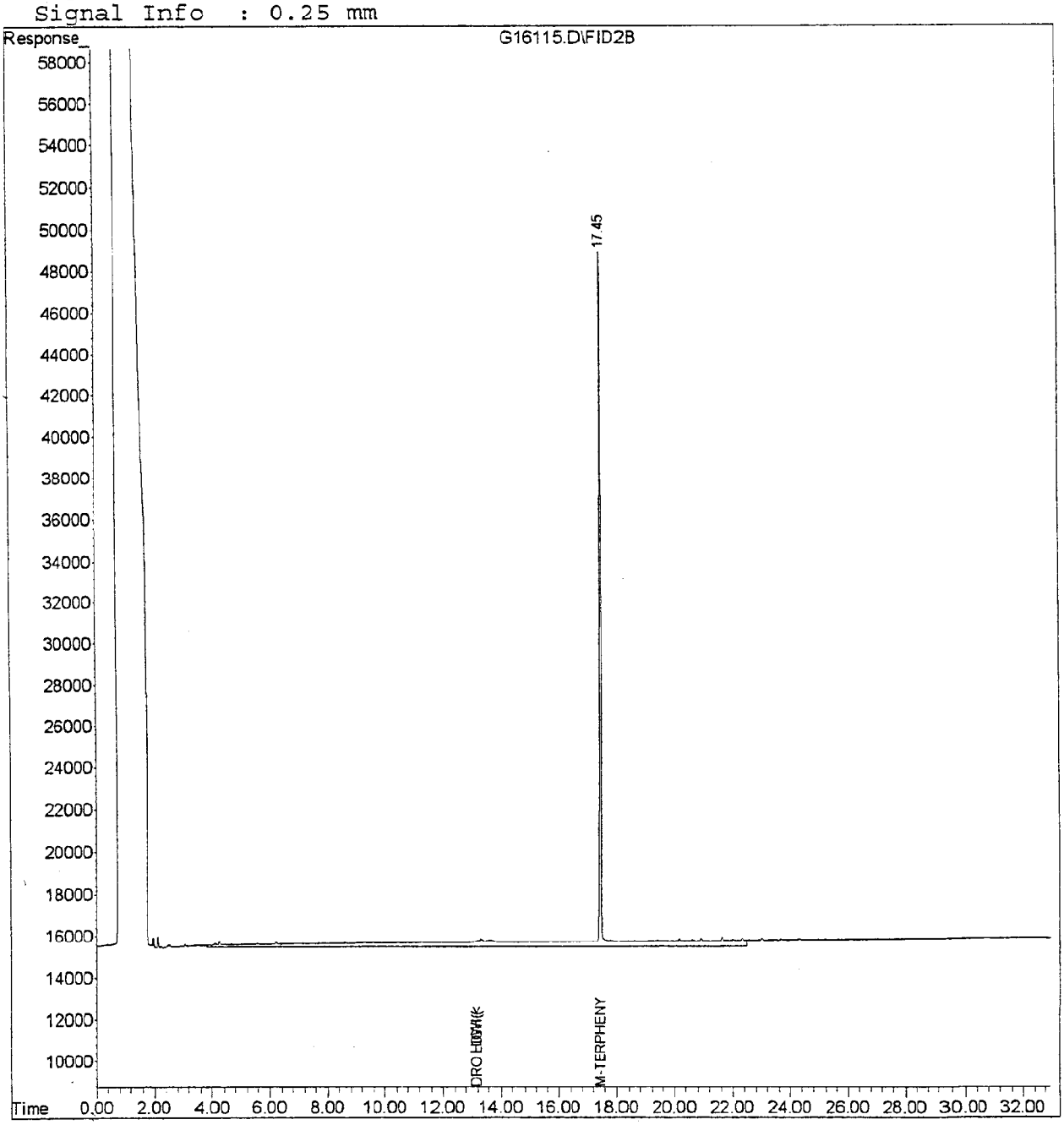
COMMENTS:

Authorized signature Melissa A Hall

Data File : D:\HPCHEM\2\DATA\050702-G\G16115.D Vial: 36
Acq On : 8 May 2002 4:54 pm Operator: MT
Sample : 47406-11 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:56 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 13, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-4

SAMPLE DATA

Lab Sample ID: 47406-12
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**96**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**40**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**417**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	13 J	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether	20	U
t-Butyl alcohol	800	U	Ethyl t-butyl ether	20	U
t-Amyl methyl ether	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	99 %	Bromofluorobenzene	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A. Hall

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: MW-2

SAMPLE DATA

Lab Sample ID: 47406-13
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/01/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	37
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	**1 J**
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**1 J**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	**2**	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	**2**	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	124 %	d8-Toluene	106 %	Bromofluorobenzene	106 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Mylena A Hall

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-4A

SAMPLE DATA

Lab Sample ID: 47406-14
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**2**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	**3**
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**70**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	**14**	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	121 %	d8-Toluene	106 %	Bromofluorobenzene	105 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

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May 10, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-4A

Lab Sample ID:	47406-14
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	77	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

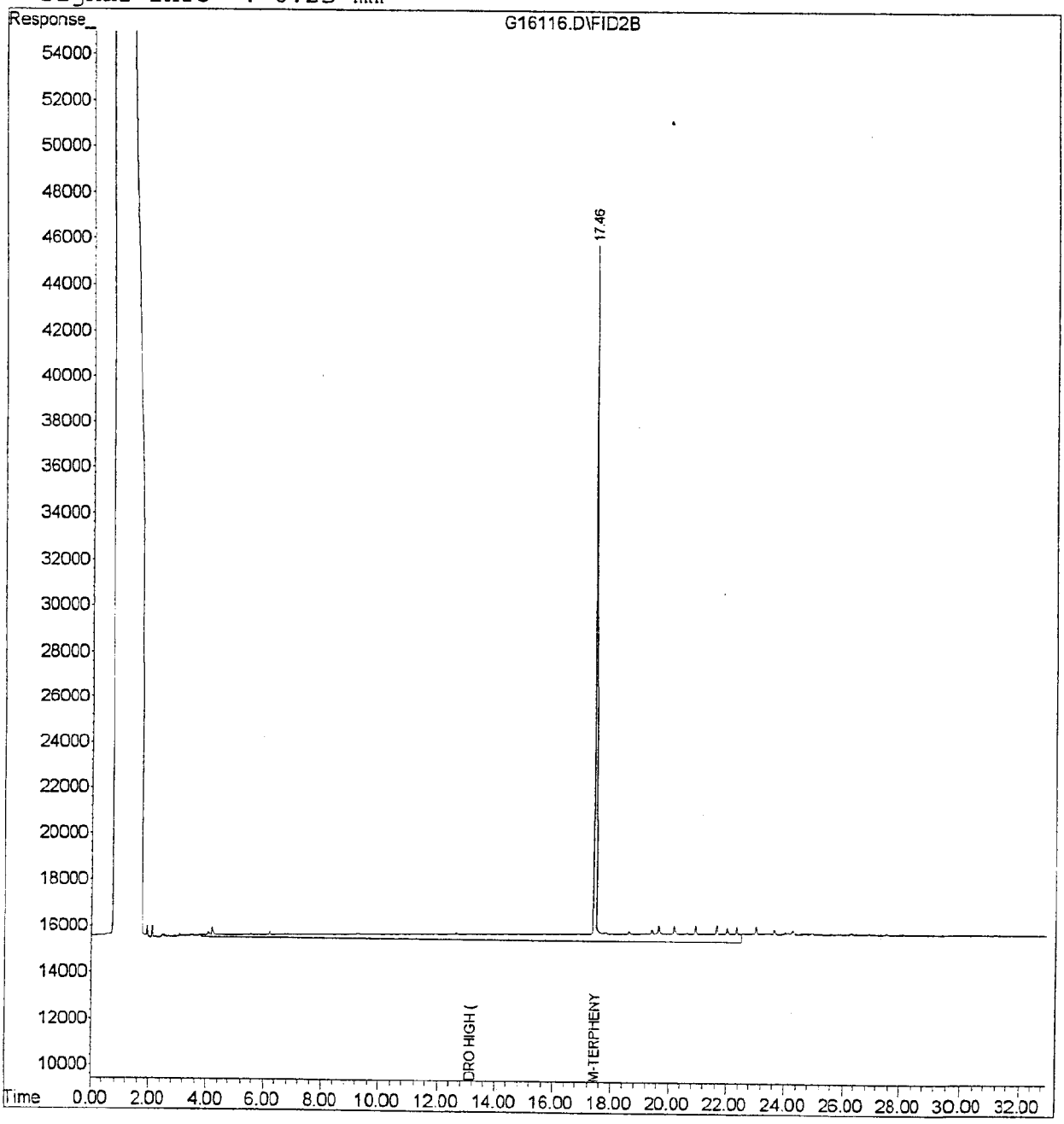
DRO Report

Authorized signature Melissa A Pelli

Data File : D:\HPCHEM\2\DATA\050702-G\G16116.D Vial: 37
Acq On : 8 May 2002 5:34 pm Operator: MT
Sample : 47406-14 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:56 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-6

SAMPLE DATA

Lab Sample ID: 47406-15
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	4
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	124 %	d8-Toluene	103 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-6

SAMPLE DATA

Lab Sample ID:	47406-15
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

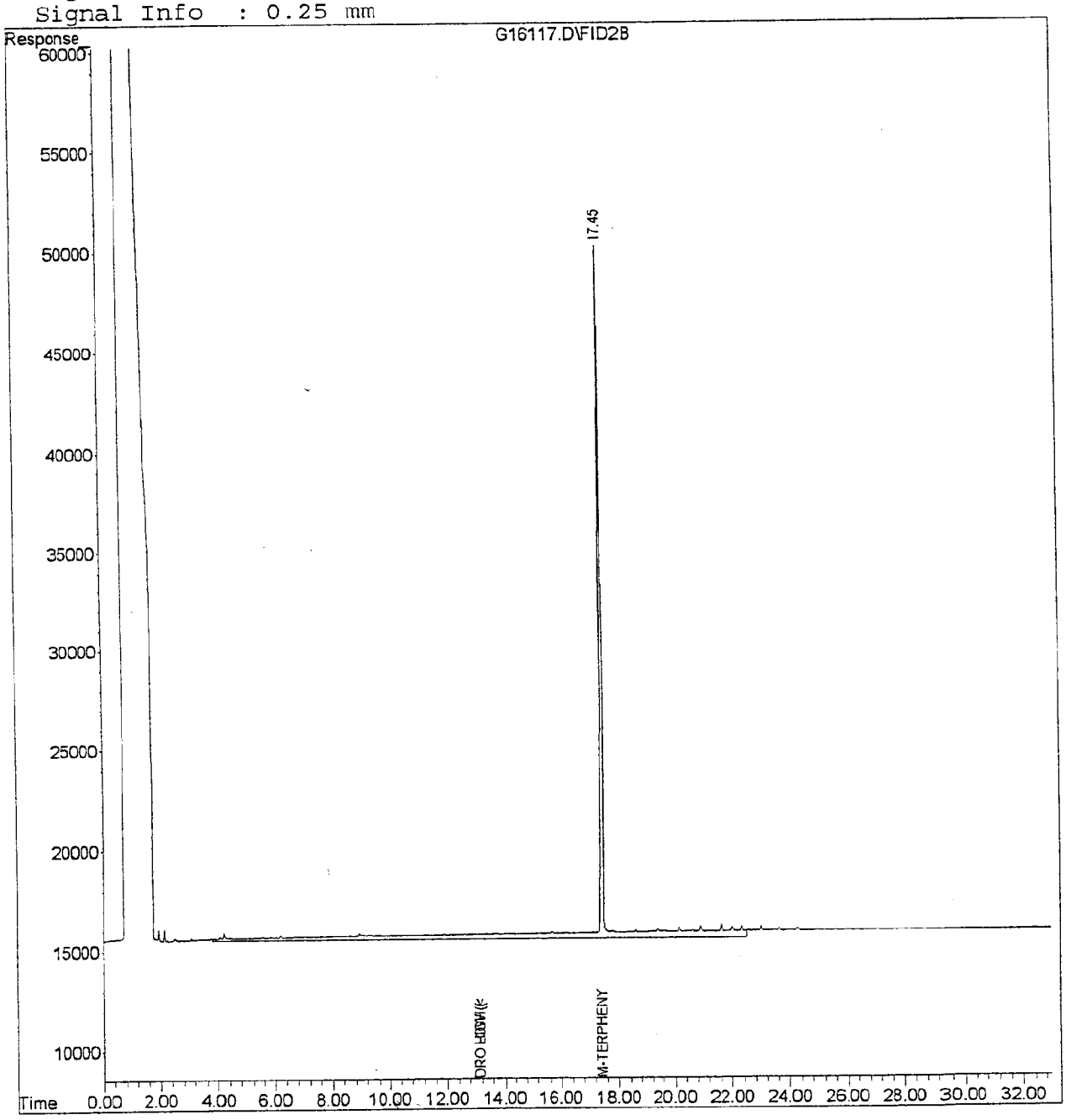
Authorized signature Melissa A Kelli

Data File : D:\HPCHEM\2\DATA\050702-G\G16117.D
Acq On : 8 May 2002 6:15 pm
Sample : 47406-15
Misc :
IntFile : AUTOINT1.E
Quant Time: May 9 10:56 2002 Quant Results File: D02122.RES

Vial: 38
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-7

SAMPLE DATA

Lab Sample ID: 47406-16
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	125 %	d8-Toluene	101 %	Bromofluorobenzene	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kuhl

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-8

SAMPLE DATA

Lab Sample ID: 47406-17
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	119 %	d8-Toluene	104 %	Bromofluorobenzene	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A. Hall

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-8

SAMPLE DATA

Lab Sample ID:	47406-17
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	99	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

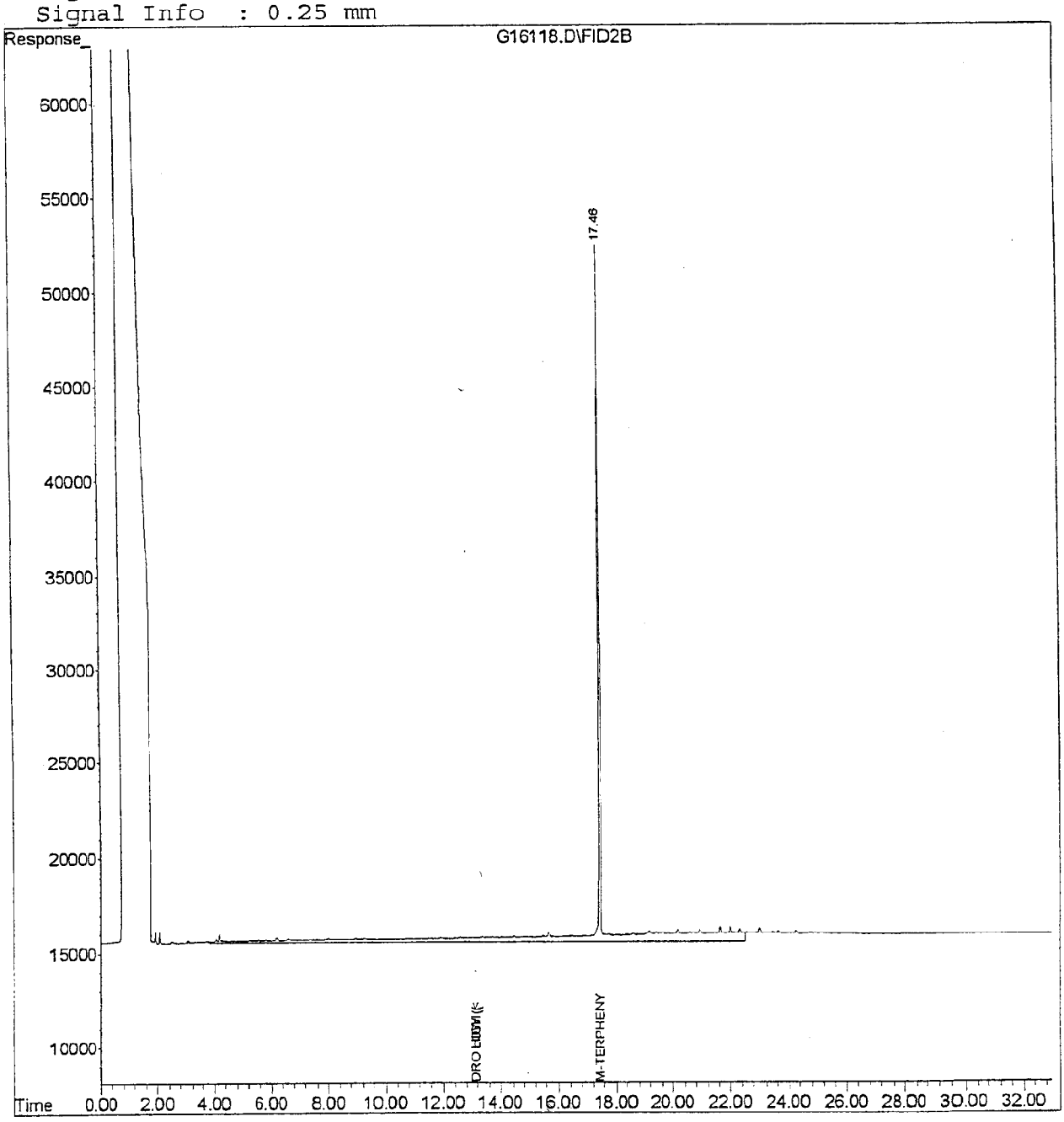
DRO Report

Authorized signature Melissa A Kelli

Data File : D:\HPCHEM\2\DATA\050702-G\G16118.D Vial: 39
Acq On : 8 May 2002 6:55 pm Operator: MT
Sample : 47406-17 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:57 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-1

SAMPLE DATA

Lab Sample ID: 47406-18
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	3
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	98
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	13	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	121 %	d8-Toluene	107 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kull

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May 10, 2002

SAMPLE DATA

Lab Sample ID:	47406-18
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SW-1

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
113	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	91	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

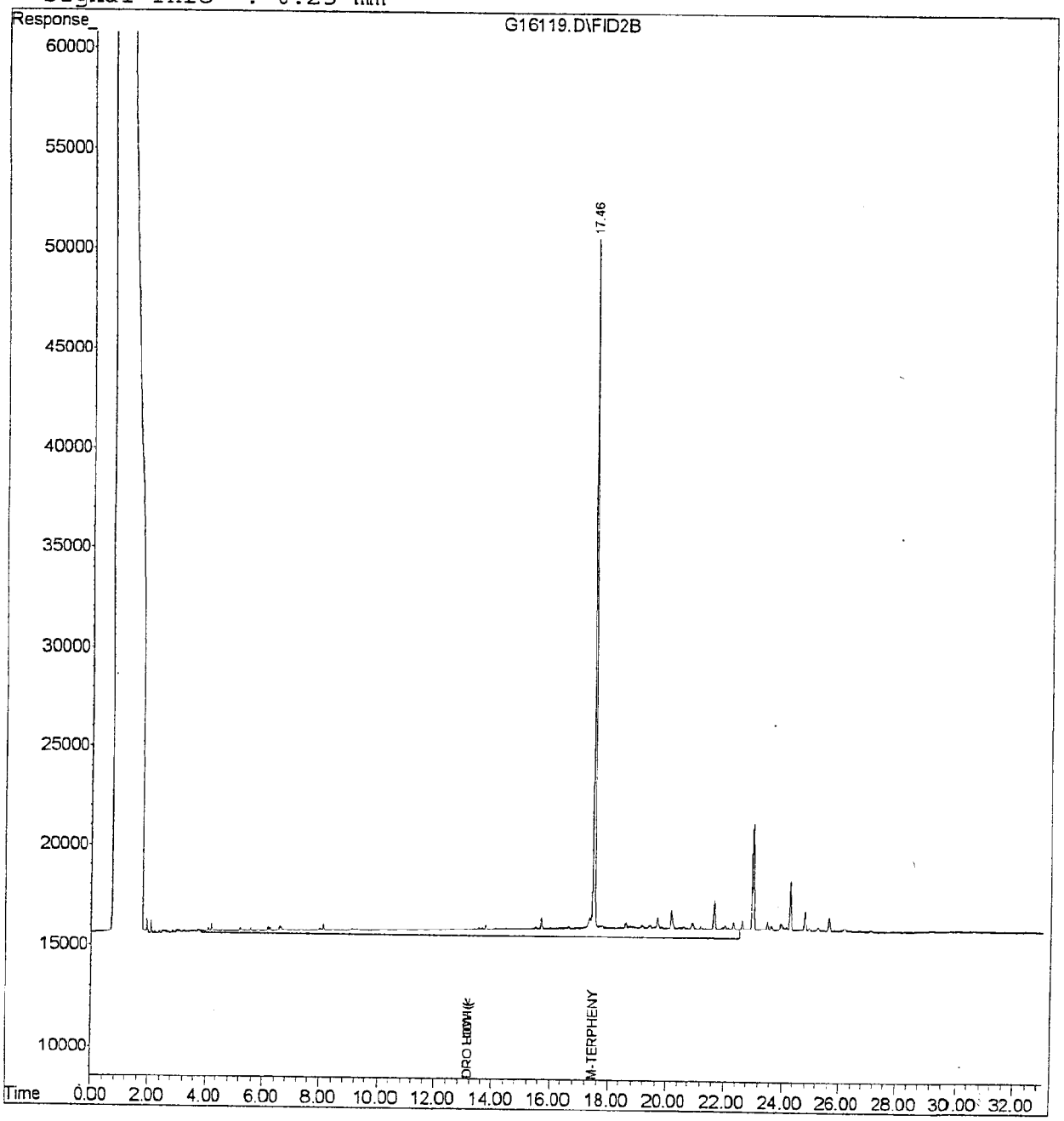
COMMENTS:

Authorized signature Melissa Arkell

Data File : D:\HPCHEM\2\DATA\050702-G\G16119.D Vial: 40
Acq On : 8 May 2002 7:35 pm Operator: MT
Sample : 47406-18 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 9 10:57 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: DUP-2-0502

SAMPLE DATA

Lab Sample ID: 47406-19
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**2**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	**3**
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**69**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	**14**	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	120 %	d8-Toluene	106 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: DUP-2-0502

SAMPLE DATA

Lab Sample ID:	47406-19
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/08/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

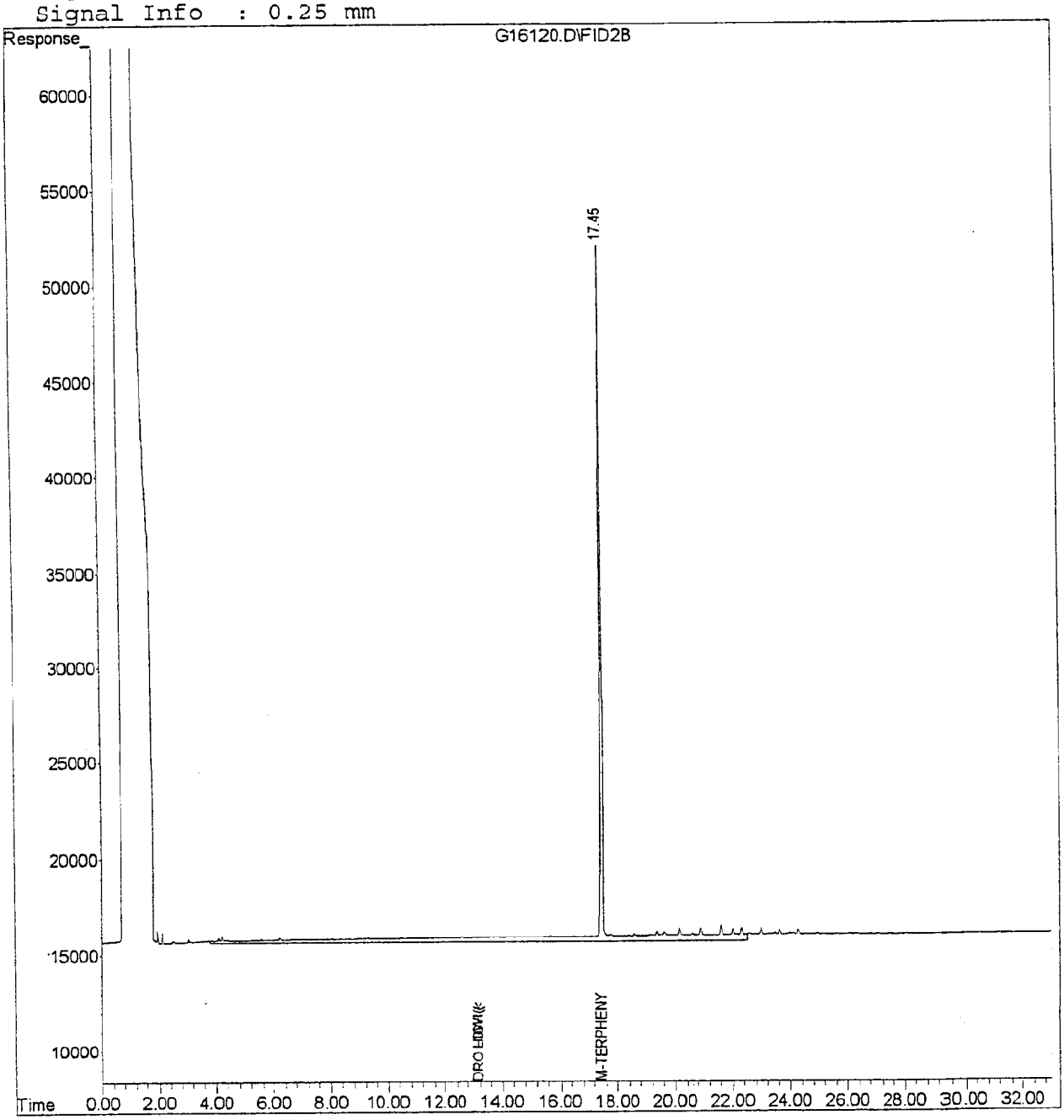
Authorized signature Melissa A Kelli

Data File : D:\HPCHEM\2\DATA\050702-G\G16120.D
Acq On : 8 May 2002 8:16 pm
Sample : 47406-19
Misc :
IntFile : AUTOINT1.E
Quant Time: May 9 10:58 2002 Quant Results File: D02122.RES

Vial: 41
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 10, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW1

SAMPLE DATA

Lab Sample ID: 47406-20
Matrix: Solid
Percent Solid: 12
Dilution Factor: 1180
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	1200	U	1,3-Dichloropropane	1200	U
Bromobenzene	1200	U	cis-1,3-Dichloropropene	1200	U
Bromochloromethane	1200	U	trans-1,3-Dichloropropene	1200	U
Bromodichloromethane	880	U	2,2-Dichloropropane	1200	U
Bromoform	880	U	1,1-Dichloropropene	1200	U
Bromomethane	1200	U	Ethylbenzene	1200	U
n-butylbenzene	1200	U	Hexachlorobutadiene	1200	U
sec-butylbenzene	1200	U	Isopropylbenzene	1200	U
tert-butylbenzene	1200	U	p-isopropyltoluene	1200	U
Carbon Tetrachloride	1200	U	Methylene Chloride	5900	U
Chlorobenzene	1200	U	Methyl-tert-butyl ether	1200	U
Chloroethane	1200	U	Naphthalene	1200	U
Chloroform	880	U	n-Propylbenzene	1200	U
Chloromethane	1200	U	Styrene	1200	U
2-Chlorotoluene	1200	U	1,1,1,2-Tetrachloroethane	1200	U
4-Chlorotoluene	1200	U	1,1,2,2-Tetrachloroethane	880	U
Dibromochloromethane	880	U	Tetrachloroethene	1200	U
1,2-Dibromo-3-chloropropane	1200	U	Toluene	1200	U
1,2-Dibromoethane	880	U	1,2,3-Trichlorobenzene	1200	U
Dibromomethane	1200	U	1,2,4-Trichlorobenzene	1200	U
1,2-Dichlorobenzene	1200	U	1,1,1-Trichloroethane	1200	U
1,3-Dichlorobenzene	1200	U	1,1,2-Trichloroethane	880	U
1,4-Dichlorobenzene	1200	U	Trichloroethene	1200	3930
Dichlorodifluoromethane	1200	U	Trichlorofluoromethane	1200	U
1,1-Dichloroethane	1200	U	1,2,3-Trichloropropane	1200	U
1,2-Dichloroethane	880	U	1,2,4-Trimethylbenzene	1200	U
1,1-Dichloroethene	880	U	1,3,5-Trimethylbenzene	1200	U
cis-1,2-Dichloroethene	1200	U	Vinyl Chloride	1200	U
trans-1,2-Dichloroethene	1200	U	o-Xylene	1200	U
1,2-Dichloropropane	880	U	m,p-Xylene	1200	U
Acetone	12000	U	Diethyl ether	1200	U
Carbon Disulfide	1200	U	2-Hexanone	12000	U
Tetrahydrofuran	5900	U	Methyl isobutyl ketone	12000	U
Methyl ethyl ketone	12000	U	Di-isopropyl ether	1200	U
t-Butyl alcohol	47000	U	Ethyl t-butyl ether	1200	U
t-Amyl methyl ether	1200	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	86 %	d8-Toluene	74 %	Bromofluorobenzene	78 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035. Sample did not meet method acceptance criteria for 1:1 soil to methanol ratio.

8260 full

Authorized signature Melissa A Valli

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May 15, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW1

SAMPLE DATA

Lab Sample ID:	47406-20
Matrix:	Solid
Percent Solid:	12
Dilution Factor:	8
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/13/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
107	mg/kg	40

Surrogate Standard Recovery

m-Terphenyl	81	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

DRO Report

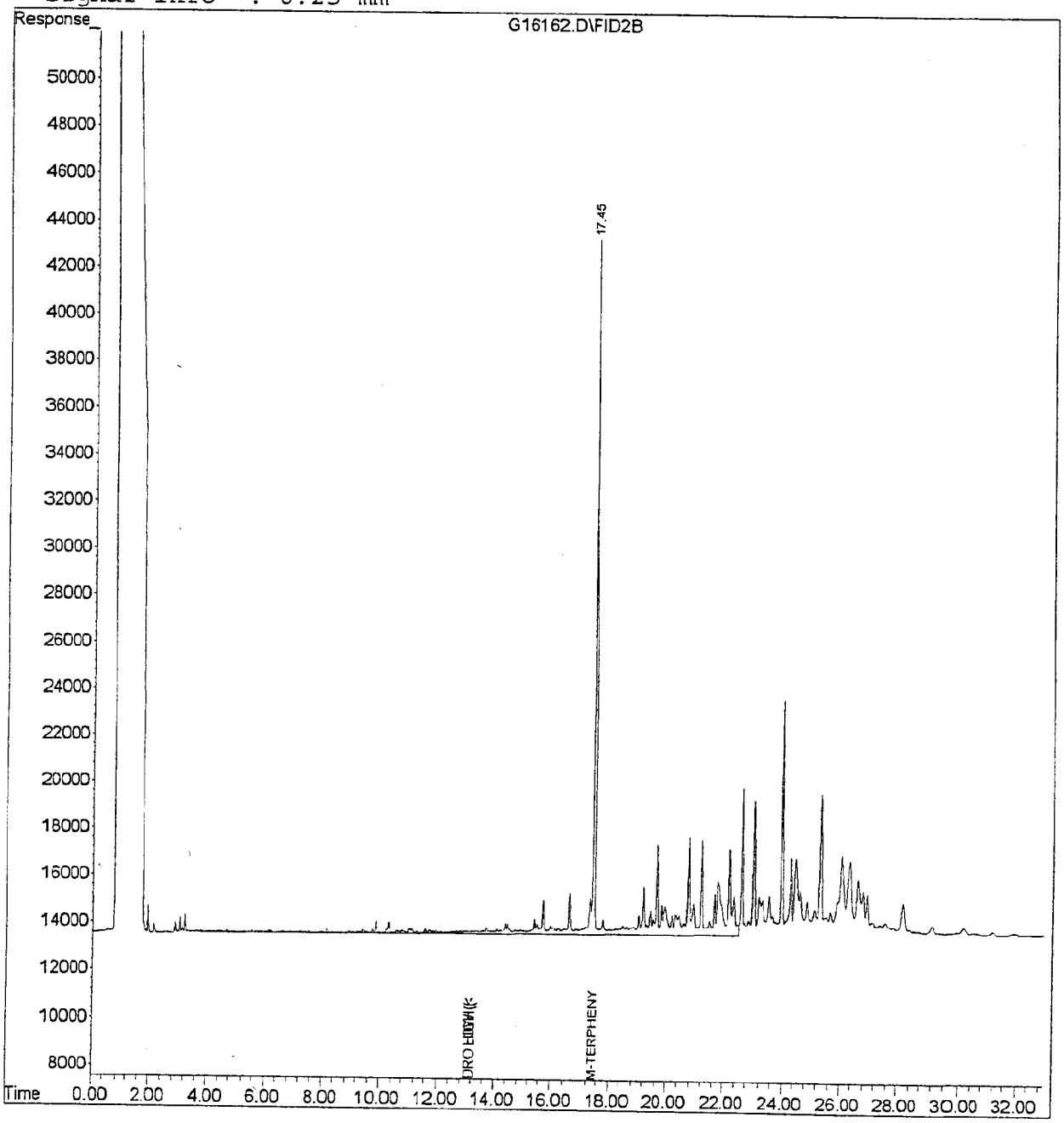
Authorized signature Melissa A Kelli

Data File : D:\HPCHEM\2\DATA\051302-G\G16162.D
Acq On : 13 May 2002 7:48 pm
Sample : 47406-20
Misc :
IntFile : AUTOINT1.E
Quant Time: May 14 8:21 2002 Quant Results File: D02122.RES

Vial: 13
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 15, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW1A

SAMPLE DATA

Lab Sample ID: 47406-21
Matrix: Solid
Percent Solid: 21
Dilution Factor: 643
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	640	U	1,3-Dichloropropane	640	U
Bromobenzene	640	U	cis-1,3-Dichloropropene	640	U
Bromochloromethane	640	U	trans-1,3-Dichloropropene	640	U
Bromodichloromethane	480	U	2,2-Dichloropropane	640	U
Bromoform	480	U	1,1-Dichloropropene	640	U
Bromomethane	640	U	Ethylbenzene	640	U
n-butylbenzene	640	U	Hexachlorobutadiene	640	U
sec-butylbenzene	640	U	Isopropylbenzene	640	U
tert-butylbenzene	640	U	p-isopropyltoluene	640	U
Carbon Tetrachloride	640	U	Methylene Chloride	3200	U
Chlorobenzene	640	U	Methyl-tert-butyl ether	640	U
Chloroethane	640	U	Naphthalene	640	U
Chloroform	480	U	n-Propylbenzene	640	U
Chloromethane	640	U	Styrene	640	U
2-Chlorotoluene	640	U	1,1,1,2-Tetrachloroethane	640	U
4-Chlorotoluene	640	U	1,1,2,2-Tetrachloroethane	480	U
Dibromochloromethane	480	U	Tetrachloroethene	640	U
1,2-Dibromo-3-chloropropane	640	U	Toluene	640	U
1,2-Dibromoethane	480	U	1,2,3-Trichlorobenzene	640	U
Dibromomethane	640	U	1,2,4-Trichlorobenzene	640	U
1,2-Dichlorobenzene	640	U	1,1,1-Trichloroethane	640	U
1,3-Dichlorobenzene	640	U	1,1,2-Trichloroethane	480	U
1,4-Dichlorobenzene	640	U	Trichloroethene	640	17300
Dichlorodifluoromethane	640	U	Trichlorofluoromethane	640	U
1,1-Dichloroethane	640	U	1,2,3-Trichloropropane	640	U
1,2-Dichloroethane	480	U	1,2,4-Trimethylbenzene	640	U
1,1-Dichloroethene	480	U	1,3,5-Trimethylbenzene	640	U
cis-1,2-Dichloroethene	640	U	Vinyl Chloride	640	U
trans-1,2-Dichloroethene	640	U	o-Xylene	640	U
1,2-Dichloropropane	480	U	m,p-Xylene	640	U
Acetone	6400	U	Diethyl ether	640	U
Carbon Disulfide	640	U	2-Hexanone	6400	U
Tetrahydrofuran	3200	U	Methyl isobutyl ketone	6400	U
Methyl ethyl ketone	6400	U	Di-isopropyl ether	640	U
t-Butyl alcohol	26000	U	Ethyl t-butyl ether	640	U
t-Amyl methyl ether	640	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	64 * %	d8-Toluene	58 * %	Bromofluorobenzene	53 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. *Surrogate recoveries were outside laboratory acceptance criteria. Sample was reanalyzed with similar results.
Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Milena A Kelli

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 15, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW1A

SAMPLE DATA

Lab Sample ID:	47406-21
Matrix:	Solid
Percent Solid:	21
Dilution Factor:	4.8
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/13/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
164	mg/kg	24

Surrogate Standard Recovery

m-Terphenyl	85	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

DRO Report

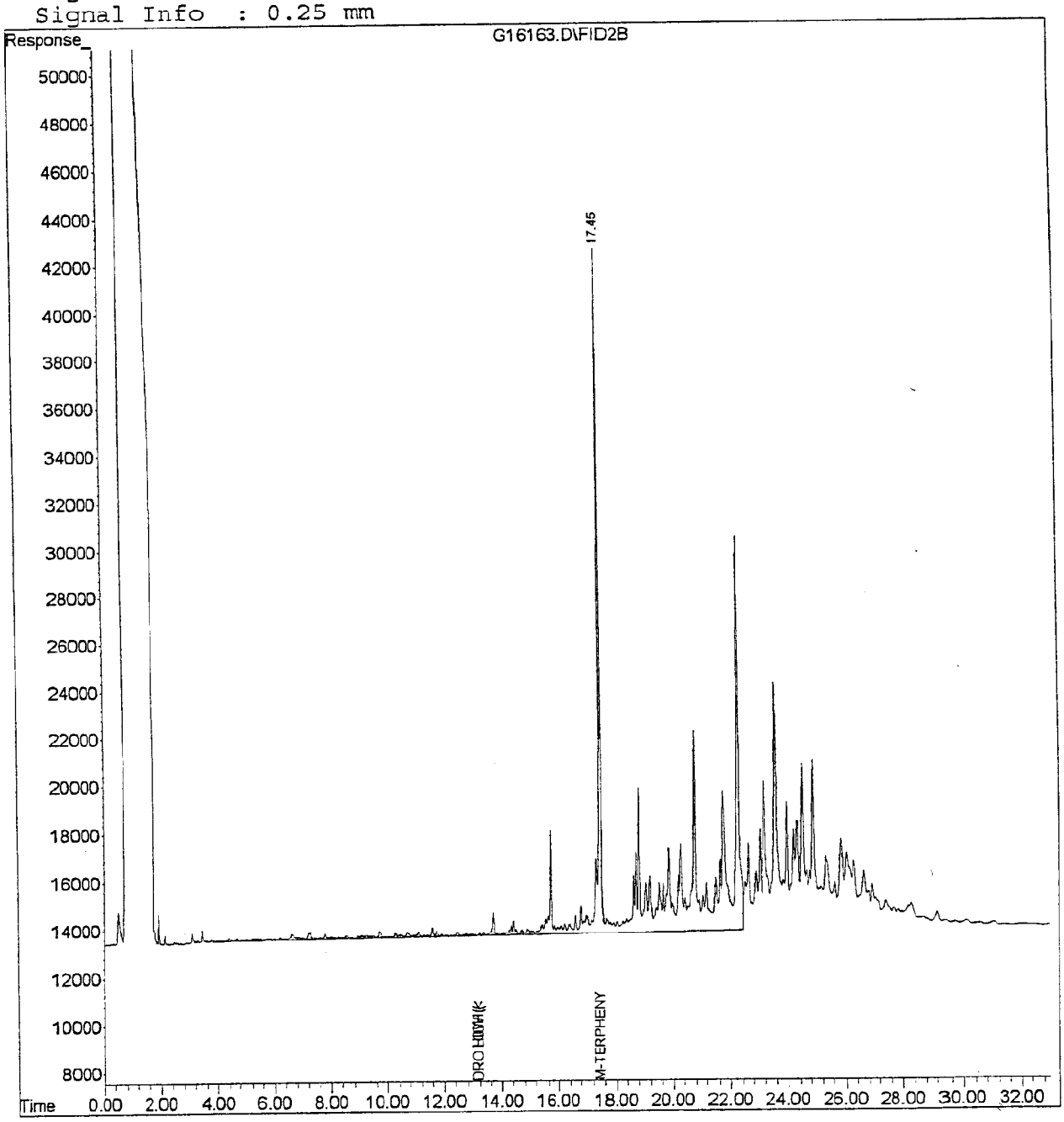
Authorized signature Melissa A Kelly

Data File : D:\HPCHEM\2\DATA\051302-G\G16163.D
Acq On : 13 May 2002 8:28 pm
Sample : 47406-21
Misc :
IntFile : AUTOINT1.E
Quant Time: May 14 8:22 2002 Quant Results File: D02122.RES

Vial: 14
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 15, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW2A

SAMPLE DATA

Lab Sample ID: 47406-22
Matrix: Solid
Percent Solid: 7
Dilution Factor: 1870
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	1900	U	1,3-Dichloropropane	1900	U
Bromobenzene	1900	U	cis-1,3-Dichloropropene	1900	U
Bromochloromethane	1900	U	trans-1,3-Dichloropropene	1900	U
Bromodichloromethane	1400	U	2,2-Dichloropropane	1900	U
Bromoform	1400	U	1,1-Dichloropropene	1900	U
Bromomethane	1900	U	Ethylbenzene	1900	U
n-butylbenzene	1900	U	Hexachlorobutadiene	1900	U
sec-butylbenzene	1900	U	Isopropylbenzene	1900	U
tert-butylbenzene	1900	U	p-isopropyltoluene	1900	U
Carbon Tetrachloride	1900	U	Methylene Chloride	9300	U
Chlorobenzene	1900	U	Methyl-tert-butyl ether	1900	U
Chloroethane	1900	U	Naphthalene	1900	U
Chloroform	1400	U	n-Propylbenzene	1900	U
Chloromethane	1900	U	Styrene	1900	U
2-Chlorotoluene	1900	U	1,1,1,2-Tetrachloroethane	1900	U
4-Chlorotoluene	1900	U	1,1,2,2-Tetrachloroethane	1400	U
Dibromochloromethane	1400	U	Tetrachloroethene	1900	U
1,2-Dibromo-3-chloropropane	1900	U	Toluene	1900	U
1,2-Dibromoethane	1400	U	1,2,3-Trichlorobenzene	1900	U
Dibromomethane	1900	U	1,2,4-Trichlorobenzene	1900	U
1,2-Dichlorobenzene	1900	U	1,1,1-Trichloroethane	1900	U
1,3-Dichlorobenzene	1900	U	1,1,2-Trichloroethane	1400	U
1,4-Dichlorobenzene	1900	U	Trichloroethene	1900	U
Dichlorodifluoromethane	1900	U	Trichlorofluoromethane	1900	U
1,1-Dichloroethane	1900	U	1,2,3-Trichloropropane	1900	U
1,2-Dichloroethane	1400	U	1,2,4-Trimethylbenzene	1900	U
1,1-Dichloroethene	1400	U	1,3,5-Trimethylbenzene	1900	U
cis-1,2-Dichloroethene	1900	U	Vinyl Chloride	1900	U
trans-1,2-Dichloroethene	1900	U	o-Xylene	1900	U
1,2-Dichloropropane	1400	U	m,p-Xylene	1900	U
Acetone	19000	U	Diethyl ether	1900	U
Carbon Disulfide	1900	U	2-Hexanone	19000	U
Tetrahydrofuran	9300	U	Methyl isobutyl ketone	19000	U
Methyl ethyl ketone	19000	U	Di-isopropyl ether	1900	U
t-Butyl alcohol	75000	U	Ethyl t-butyl ether	1900	U
t-Amyl methyl ether	1900	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	75 %	Bromofluorobenzene	79 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Quantitation limits increased due to moisture content.

Sample collection and analysis in accordance with SW-846 method 5035.

8250 full

Authorized signature Melissa A Valli

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Yarmouth, ME 04096-1107

May 15, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW2A

Lab Sample ID: 47406-22
Matrix: Solid
Percent Solid: 07
Dilution Factor: 14
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Extraction Date: 05/06/02
Analysis Date: 05/13/02

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
975	mg/kg	70

Surrogate Standard Recovery

m-Terphenyl	94	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

DRO Report

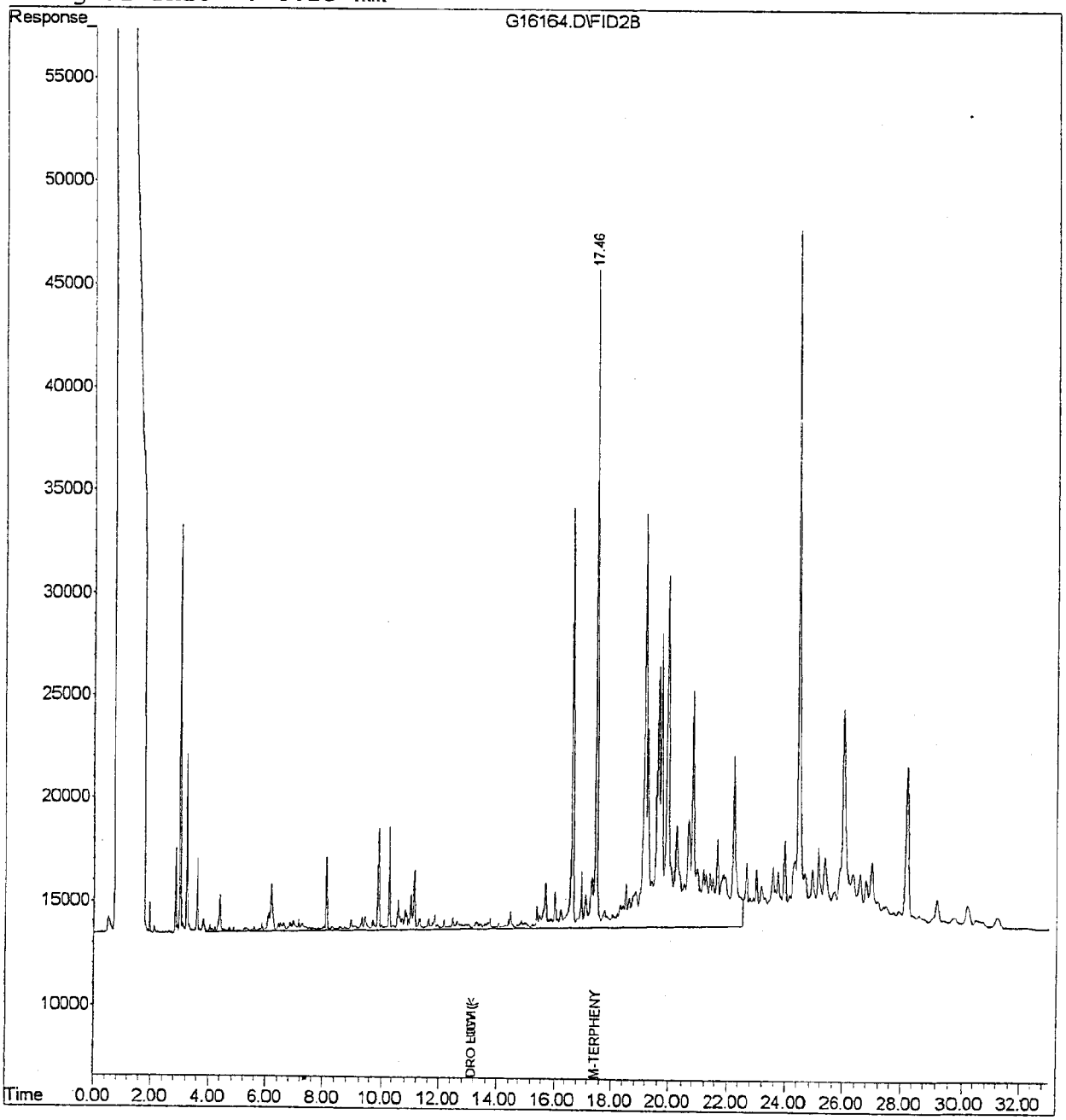
Authorized signature Melissa A Kelli

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\051302-G\G16164.D Vial: 15
Acq On : 13 May 2002 9:09 pm Operator: MT
Sample : 47406-22 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 14 8:22 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 13, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW2

SAMPLE DATA

Lab Sample ID: 47406-23
Matrix: Solid
Percent Solid: 18
Dilution Factor: 748
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	750	U	1,3-Dichloropropane	750	U
Bromobenzene	750	U	cis-1,3-Dichloropropene	750	U
Bromochloromethane	750	U	trans-1,3-Dichloropropene	750	U
Bromodichloromethane	560	U	2,2-Dichloropropane	750	U
Bromoform	560	U	1,1-Dichloropropene	750	U
Bromomethane	750	U	Ethylbenzene	750	U
n-butylbenzene	750	U	Hexachlorobutadiene	750	U
sec-butylbenzene	750	U	Isopropylbenzene	750	U
tert-butylbenzene	750	U	p-isopropyltoluene	750	**2600**
Carbon Tetrachloride	750	U	Methylene Chloride	3700	U
Chlorobenzene	750	U	Methyl-tert-butyl ether	750	U
Chloroethane	750	U	Naphthalene	750	U
Chloroform	560	U	n-Propylbenzene	750	U
Chloromethane	750	U	Styrene	750	U
2-Chlorotoluene	750	U	1,1,1,2-Tetrachloroethane	750	U
4-Chlorotoluene	750	U	1,1,2,2-Tetrachloroethane	560	U
Dibromochloromethane	560	U	Tetrachloroethene	750	U
1,2-Dibromo-3-chloropropane	750	U	Toluene	750	U
1,2-Dibromoethane	560	U	1,2,3-Trichlorobenzene	750	U
Dibromomethane	750	U	1,2,4-Trichlorobenzene	750	U
1,2-Dichlorobenzene	750	U	1,1,1-Trichloroethane	750	U
1,3-Dichlorobenzene	750	U	1,1,2-Trichloroethane	560	U
1,4-Dichlorobenzene	750	U	Trichloroethene	750	U
Dichlorodifluoromethane	750	U	Trichlorofluoromethane	750	U
1,1-Dichloroethane	750	U	1,2,3-Trichloropropane	750	U
1,2-Dichloroethane	560	U	1,2,4-Trimethylbenzene	750	U
1,1-Dichloroethene	560	U	1,3,5-Trimethylbenzene	750	U
cis-1,2-Dichloroethene	750	U	Vinyl Chloride	750	U
trans-1,2-Dichloroethene	750	U	o-Xylene	750	U
1,2-Dichloropropane	560	U	m,p-Xylene	750	U
Acetone	7500	U	Diethyl ether	750	U
Carbon Disulfide	750	U	2-Hexanone	7500	U
Tetrahydrofuran	3700	U	Methyl isobutyl ketone	7500	U
Methyl ethyl ketone	7500	U	Di-isopropyl ether	750	U
t-Butyl alcohol	30000	U	Ethyl t-butyl ether	750	U
t-Amyl methyl ether	750	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	77 %	Bromofluorobenzene	77 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

Authorized signature Melissa A Kalli

8260 full

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Mr. Herb Kodis
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Yarmouth, ME 04096-1107

May 15, 2002

SAMPLE DATA

Lab Sample ID:	47406-23
Matrix:	Solid
Percent Solid:	18
Dilution Factor:	5
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/13/02

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW2

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
204	mg/kg	25

Surrogate Standard Recovery

m-Terphenyl	94	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

DRO Report

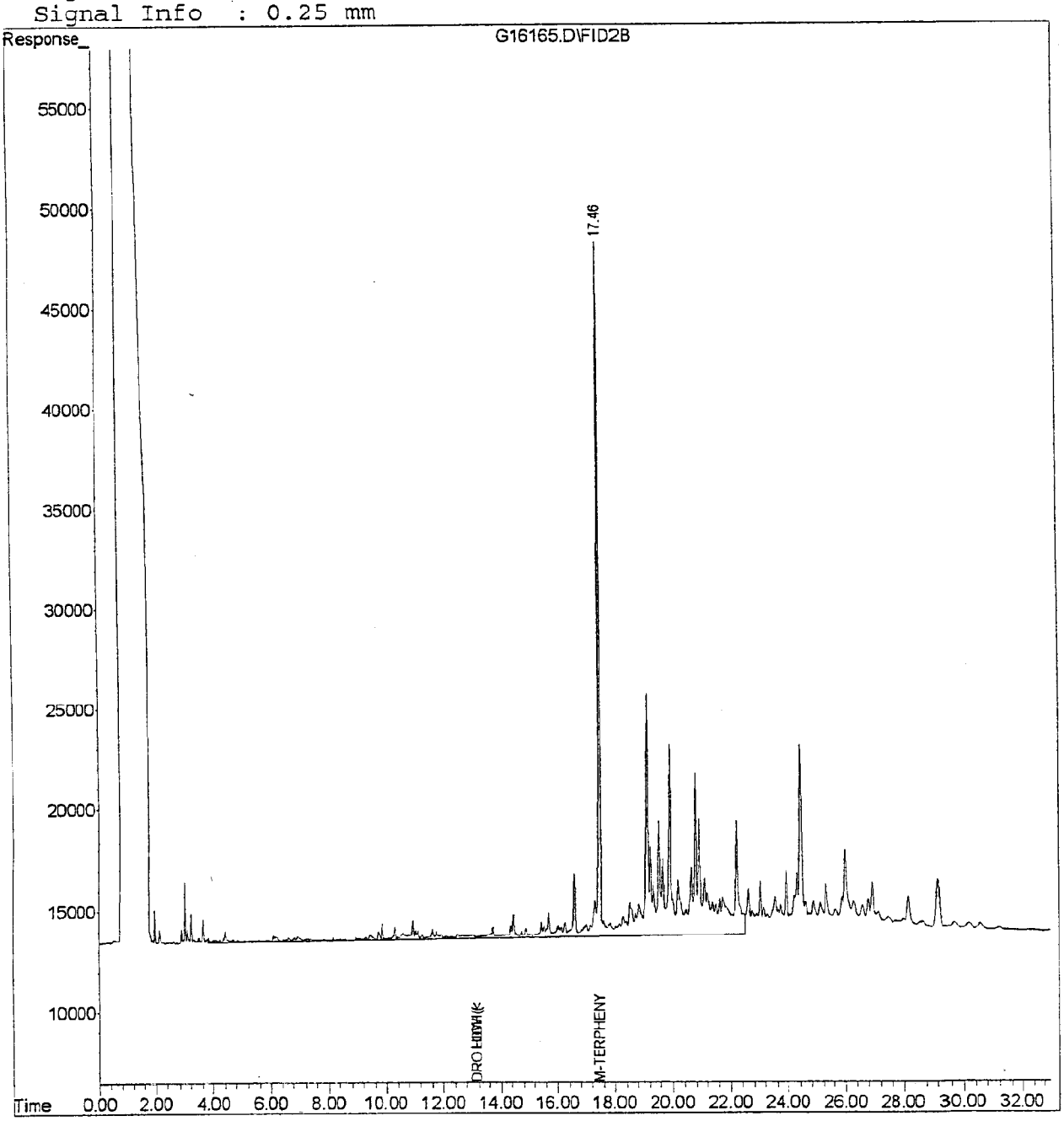
Authorized signature

Data File : D:\HPCHEM\2\DATA\051302-G\G16165.D
Acq On : 13 May 2002 9:49 pm
Sample : 47406-23
Misc :
IntFile : AUTOINT1.E
Quant Time: May 14 8:24 2002 Quant Results File: D02122.RES

Vial: 16
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 15, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW8

SAMPLE DATA

Lab Sample ID: 47406-24
Matrix: Solid
Percent Solid: 18
Dilution Factor: 767
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	770	U	1,3-Dichloropropane	770	U
Bromobenzene	770	U	cis-1,3-Dichloropropene	770	U
Bromochloromethane	770	U	trans-1,3-Dichloropropene	770	U
Bromodichloromethane	570	U	2,2-Dichloropropane	770	U
Bromoform	570	U	1,1-Dichloropropene	770	U
Bromomethane	770	U	Ethylbenzene	770	U
n-butylbenzene	770	U	Hexachlorobutadiene	770	U
sec-butylbenzene	770	U	Isopropylbenzene	770	U
tert-butylbenzene	770	U	p-isopropyltoluene	770	U
Carbon Tetrachloride	770	U	Methylene Chloride	3800	U
Chlorobenzene	770	U	Methyl-tert-butyl ether	770	U
Chloroethane	770	U	Naphthalene	770	U
Chloroform	570	U	n-Propylbenzene	770	U
Chloromethane	770	U	Styrene	770	U
2-Chlorotoluene	770	U	1,1,1,2-Tetrachloroethane	770	U
4-Chlorotoluene	770	U	1,1,2,2-Tetrachloroethane	570	U
Dibromochloromethane	570	U	Tetrachloroethene	770	U
1,2-Dibromo-3-chloropropane	770	U	Toluene	770	U
1,2-Dibromoethane	570	U	1,2,3-Trichlorobenzene	770	U
Dibromomethane	770	U	1,2,4-Trichlorobenzene	770	U
1,2-Dichlorobenzene	770	U	1,1,1-Trichloroethane	770	U
1,3-Dichlorobenzene	770	U	1,1,2-Trichloroethane	570	U
1,4-Dichlorobenzene	770	U	Trichloroethene	770	U
Dichlorodifluoromethane	770	U	Trichlorofluoromethane	770	U
1,1-Dichloroethane	770	U	1,2,3-Trichloropropane	770	U
1,2-Dichloroethane	570	U	1,2,4-Trimethylbenzene	770	U
1,1-Dichloroethene	570	U	1,3,5-Trimethylbenzene	770	U
cis-1,2-Dichloroethene	770	U	Vinyl Chloride	770	U
trans-1,2-Dichloroethene	770	U	o-Xylene	770	U
1,2-Dichloropropane	570	U	m,p-Xylene	770	U
Acetone	7700	U	Diethyl ether	770	U
Carbon Disulfide	770	U	2-Hexanone	7700	U
Tetrahydrofuran	3800	U	Methyl isobutyl ketone	7700	U
Methyl ethyl ketone	7700	U	Di-isopropyl ether	770	U
t-Butyl alcohol	31000	U	Ethyl t-butyl ether	770	U
t-Amyl methyl ether	770	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	76 %	Bromofluorobenzene	74 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035. Sample did not meet method acceptance criteria for 1:1 soil to methanol ratio. Quantitation limits increased due to moisture content.

8260 full

Authorized signature Melissa A Valle

analytics environmental laboratory LLC

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May 15, 2002

SAMPLE DATA

Lab Sample ID:	47406-24
Matrix:	Solid
Percent Solid:	18
Dilution Factor:	6
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/13/02

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW8

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
108	mg/kg	30

Surrogate Standard Recovery

m-Terphenyl	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

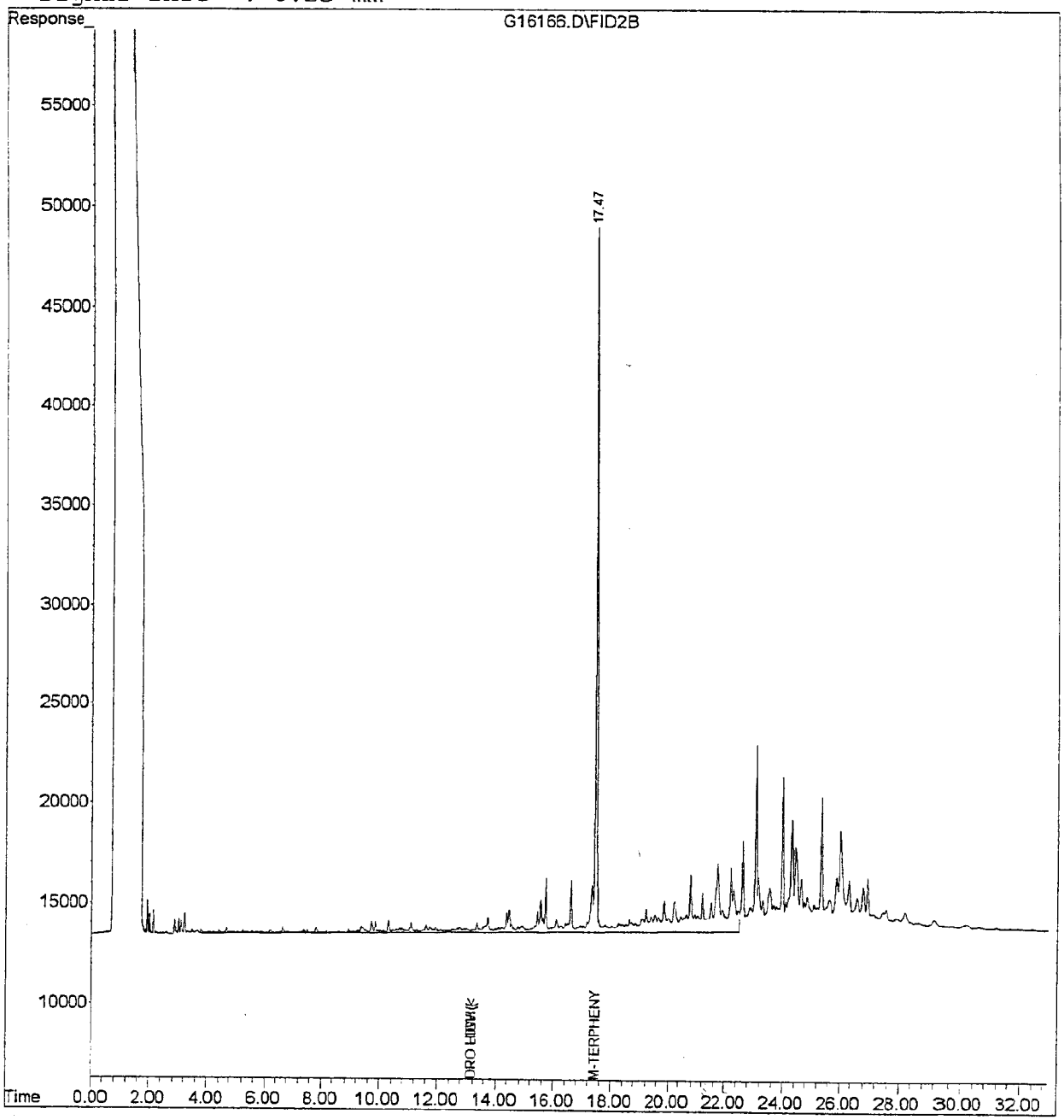
DRO Report

Authorized signature

Data File : D:\HPCHEM\2\DATA\051302-G\G16166.D Vial: 17
Acq On : 13 May 2002 10:29 pm Operator: MT
Sample : 47406-24 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 14 8:25 2002 Quant Results File: D02122.RES

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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May 15, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW8A

SAMPLE DATA

Lab Sample ID: 47406-25
Matrix: Solid
Percent Solid: 16
Dilution Factor: 936
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	940	U	1,3-Dichloropropane	940	U
Bromobenzene	940	U	cis-1,3-Dichloropropene	940	U
Bromochloromethane	940	U	trans-1,3-Dichloropropene	940	U
Bromodichloromethane	700	U	2,2-Dichloropropane	940	U
Bromoform	700	U	1,1-Dichloropropene	940	U
Bromomethane	940	U	Ethylbenzene	940	U
n-butylbenzene	940	U	Hexachlorobutadiene	940	U
sec-butylbenzene	940	U	Isopropylbenzene	940	U
tert-butylbenzene	940	U	p-isopropyltoluene	940	U
Carbon Tetrachloride	940	U	Methylene Chloride	4700	U
Chlorobenzene	940	U	Methyl-tert-butyl ether	940	U
Chloroethane	940	U	Naphthalene	940	U
Chloroform	700	U	n-Propylbenzene	940	U
Chloromethane	940	U	Styrene	940	U
2-Chlorotoluene	940	U	1,1,1,2-Tetrachloroethane	940	U
4-Chlorotoluene	940	U	1,1,2,2-Tetrachloroethane	700	U
Dibromochloromethane	700	U	Tetrachloroethene	940	U
1,2-Dibromo-3-chloropropane	940	U	Toluene	940	U
1,2-Dibromoethane	700	U	1,2,3-Trichlorobenzene	940	U
Dibromomethane	940	U	1,2,4-Trichlorobenzene	940	U
1,2-Dichlorobenzene	940	U	1,1,1-Trichloroethane	940	U
1,3-Dichlorobenzene	940	U	1,1,2-Trichloroethane	700	U
1,4-Dichlorobenzene	940	U	Trichloroethene	940	U
Dichlorodifluoromethane	940	U	Trichlorofluoromethane	940	U
1,1-Dichloroethane	940	U	1,2,3-Trichloropropane	940	U
1,2-Dichloroethane	700	U	1,2,4-Trimethylbenzene	940	U
1,1-Dichloroethene	700	U	1,3,5-Trimethylbenzene	940	U
cis-1,2-Dichloroethene	940	U	Vinyl Chloride	940	U
trans-1,2-Dichloroethene	940	U	o-Xylene	940	U
1,2-Dichloropropane	700	U	m,p-Xylene	940	U
Acetone	9400	U	Diethyl ether	940	U
Carbon Disulfide	940	U	2-Hexanone	9400	U
Tetrahydrofuran	4700	U	Methyl isobutyl ketone	9400	U
Methyl ethyl ketone	9400	U	Di-isopropyl ether	940	U
t-Butyl alcohol	37000	U	Ethyl t-butyl ether	940	U
t-Amyl methyl ether	940	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	81 %	Bromofluorobenzene	82 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035. Sample did not meet method acceptance criteria for 1:1 soil to methanol ratio. Quantitation limits increased due to moisture content.

8260 full

Authorized signature Melissa A Hall

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 15, 2002

SAMPLE DATA

Lab Sample ID:	47406-25
Matrix:	Solid
Percent Solid:	16
Dilution Factor:	6
Collection Date:	05/02/02
Lab Receipt Date:	05/03/02
Extraction Date:	05/06/02
Analysis Date:	05/13/02

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-SW8A

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	mg/kg	30

Surrogate Standard Recovery

m-Terphenyl	96	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

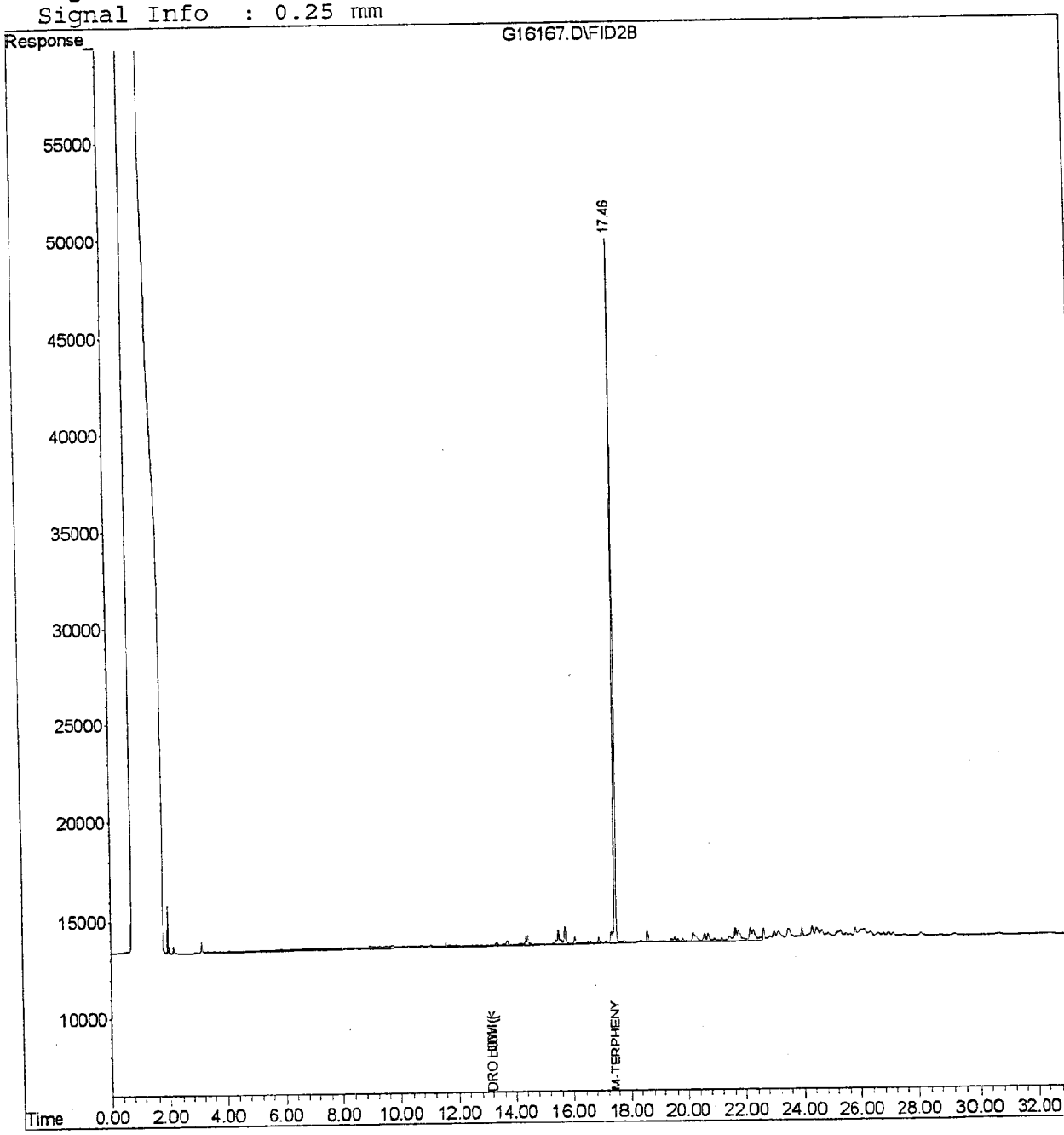
Authorized signature Melissa A. Kelli

Data File : D:\HPCHEM\2\DATA\051302-G\G16167.D
Acq On : 13 May 2002 11:10 pm
Sample : 47406-25
Misc :
IntFile : AUTOINT1.E
Quant Time: May 14 8:25 2002 Quant Results File: D02122.RES

Vial: 18
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D02122.M (Chemstation Integrator)
Title : DRO
Last Update : Tue Apr 23 11:53:43 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPHB.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 9, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: TB-0502

Lab Sample ID: 47406-26
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/25/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/09/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	112 %	d8-Toluene	103 %	Bromofluorobenzene	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A. Kelli

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 13, 2002

CLIENT SAMPLE ID

Project Name: DRU 035-02

Project Number:

Field Sample ID: SED-TB

SAMPLE DATA

Lab Sample ID: 47406-27
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 05/02/02
Lab Receipt Date: 05/03/02
Analysis Date: 05/10/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether	100	U
t-Butyl alcohol	4000	U	Ethyl t-butyl ether	100	U
t-Amyl methyl ether	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	106 %	Bromofluorobenzene	110 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature Melissa A Stulli

46

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds
TELEPHONE:
FAX # / E-MAIL:
COMPANY:
PURCHASE ORDER # / BILL TO:
ADDRESS:
PROJECT NAME: DRU035.02
SAMPLER NAME: M. Reynolds

ANALYSES

LABORATORY REPORT #:

Delivered by:

TURNAROUND REQUEST
☒ Standard 5.15
☐ Priority (SURCHARGE)

Quote # MEL2042403

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	D.R.O.	VOC 8260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
MW-5	3	G		X	GW	X		HCl/4°C	5.1.02	1645		X	47406-1
MW-11A	4									0910	X	X	-2
MW-15B	4									1000	X	X	-3
MW-14B	4									1040	X	X	-4
MW-12A	4									1150	X	X	-5
MW-13A	5									1235	X	X	-6
DUP-1-0502	4									1240	X	X	-7
MW-6	5									1310	X	X	-8
MW-13B	4									1605	X	X	-9
MW-10A	5									1415	X	X	-10
MW-~~4~~10B mm 5.3.02	4									1455	X	X	-11
MW-4	3									1545		X	-12

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C 4.2°C /Frozen ice packs ☐ N/A
Samples received preserved ☒ yes ☐ no ☐ N/A

MJ 5/3/02 pH upon Recept <2 for all DRO 1 bus

COMMENTS

RELINQUISHED BY SAMPLER:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY: Martha N. Mixon	DATE 5.3.02	TIME 1335	RECEIVED BY: Sylvie Cyr
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

073/075

HCL

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRU035-02 | SAMPLER NAME: M. Reynolds

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☒ Standard 5-15
☐ Priority (SURCHARGE)
Quote #MEL2042403

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: D.R.O.	ANALYSES: VOC 8260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
MW-2	3	G		X	GW	X		HCl/4°C	5.1.02	1630		X	47406-13
SW-4A	4				SW				5.2.02	0950	X	X	-14
SW-6	4									1005	X	X	-15
SW-7	3									1010		X	-16
SW-8	4									1035	X	X	-17
SW-1	4									1045	X	X	-18
DUP-2-0502	4				↓			↓		0955	X	X	19
~~DL~~ EM SED-SW1	2				SED			MeOH/4°C		1100	X	X	20
SED-SW1A	2									1105	X	X	21
SED-SW2A	2									1115	X	X	22
SED-SW2	2	↓		↓	↓	↓		↓	↓	1120	X	X	23

Received within hold time ☒ yes ☐ no ☐ N/A 5/3/02 pH for all DRO 1120's ≤2 upon receipt
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C 4.2° /Frozen ice packs ☐ N/A
Samples received preserved ☒ yes ☐ no ☐ N/A

COMMENTS
5/3/02 Added 3mL of MeOH to 47406-23-B upon receipt
PFT Lot#CD437

	DATE	TIME	
RELINQUISHED BY SAMPLER:			RECEIVED BY:
RELINQUISHED BY: Martha N. Mixon	5.3.02	1335	RECEIVED BY: Sylvia Lyr
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DR4035-02 | SAMPLER NAME: M Reynolds

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: DRO	ANALYSES: VOC 8260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SED-SW8	2	G		X	SW	X		MeOH/4°C	5.2.02	1130	X	X	47406-24
SED-SW8A	2	↓		↓	SW	X		↓	↓	1140	X	X	-25
TB-0502	1					X		HCl/4°C	4.25.02	1730		X	-26
SED-TB	1	↓		↓	MeOH	X		4°C MeOH				X	-27

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☒ Standard 5-15
☐ Priority (SURCHARGE)

Quote # MEL2042403

Received within hold time	☒ yes	☐ no	☐ N/A
Received in good condition	☒ yes	☐ no	☐ N/A
Temp. Blank °C 4.2° /Frozen ice packs			☐ N/A
Samples received preserved	☒ yes	☐ no	☐ N/A

COMMENTS

	DATE	TIME	
RELINQUISHED BY SAMPLER:			RECEIVED BY:
RELINQUISHED BY: Martha N. Mixon	5.3.02	1335	RECEIVED BY: Sylvie Cyr.
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

DOWNGRADIENT GROUNDWATER SCREENING DATA

GP-24-02 to GP-48

analytics environmental laboratory LLC

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analytics@analyticslab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 48508

Revision: Rev. 0

Re: DRU 045-02

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 October 2002 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
48508-1	10/21/02	GP-24	EPA 8260 Volatile Organics	
48508-2	10/21/02	GP-25	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/24/2002

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analytics environmental laboratory LLC

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

October 24, 2002

CLIENT SAMPLE ID

Project Name: DRU 045-02

Project Number:

Field Sample ID: GP-24

SAMPLE DATA

Lab Sample ID: 48508-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 10/21/02
Lab Receipt Date: 10/22/02
Analysis Date: 10/23/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**16 J**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**20**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**441**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	**90**	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether	20	U
t-Butyl alcohol	800	U	Ethyl t-butyl ether	20	U
t-Amyl methyl ether	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	108 %	d8-Toluene	99 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

October 24, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 045-02

Project Number:

Field Sample ID: GP-25

Lab Sample ID: 48508-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 10/21/02
Lab Receipt Date: 10/22/02
Analysis Date: 10/23/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**16 J**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**20**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**486**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	**87**	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether	20	U
t-Butyl alcohol	800	U	Ethyl t-butyl ether	20	U
t-Amyl methyl ether	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	99 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

AEL

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds
TELEPHONE:
FAX # / E-MAIL:
COMPANY:
PURCHASE ORDER # / BILL TO:
ADDRESS:
PROJECT NAME: DRU045-02
SAMPLER NAME:

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: NOC5260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-24	3	VOA VIAL		X	GW	X		HCl/4°C	10/21/02		X	48508-1
GP-25	3	"		X	"	X		"	"		X	-2

004/004

LABORATORY REPORT #:
Delivered by:

TURNAROUND REQUEST
☐ Standard
☒ Priority (10/25)
Quote #:

Received within hold time ☑ yes ☐ no ☐ N/A
Received in good condition ☑ yes ☐ no ☐ N/A
Temp. Blank °C 2°C /Frozen ice packs ☐ N/A
Samples received preserved ☑ yes ☐ no ☐ N/A
Chain of Custody seal ☐ yes ☐ no

COMMENTS:

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY: Martha N. Nixon	10.22.02	1530
RELINQUISHED BY:		

RECEIVED BY:
RECEIVED BY:
RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

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e-mail: melab@ime.net

LABORATORY REPORT # DR0045-02

PROJECT MANAGER: Matt Reynolds | TELEPHONE: 771-5546 | FAX # / E-MAIL: 771-5542

COMPANY: Dunlin Environmental | PURCHASE ORDER # / BILL TO:

ADDRESS: P O Box 392 Portland ME 04112

PROJECT NAME: PBWO #208 | SAMPLER NAME:

Delivered by: M. Reynolds

TURNAROUND REQUEST: ☐ Standard ☑ Priority (SURCHARGE) Quote # 10/25

ANALYSES: VOA 8260

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-24	3	40ml		X	GW	X		HCL	10/21/02	1020	X
GP-25	3	"		"	"	X		"	"	1130	X

Received within hold time ☑ yes ☐ no ☐ N/A | Chain of Custody seal ☐ yes ☐ no

Received in good condition ☑ yes ☐ no ☐ N/A

Temp. Blank °C _____ /Frozen ice packs ☐ N/A

Samples received preserved ☑ yes ☐ no ☐ N/A

COMMENTS

RELINQUISHED BY SAMPLER: M D Ryn	DATE 10/22/02	TIME 1400	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE 10/23/02	TIME 1301	RECEIVED BY LABORATORY:

analytics environmental laboratory LLC

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analytics@analyticslab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 48553

Revision: Rev. 0

Re: DRU 046-02

Enclosed are the results of the analyses on your sample(s). Samples were received on 29 October 2002 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
48553-1	10/28/02	GP-26	EPA 8260 Volatile Organics	
48553-2	10/28/02	GP-27	EPA 8260 Volatile Organics	
48553-3	10/28/02	GP-28	EPA 8260 Volatile Organics	
48553-4	10/28/02	GP-29	EPA 8260 Volatile Organics	
48553-5	10/28/02	GP-30	EPA 8260 Volatile Organics	
48553-6	10/28/02	TB-102802	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature Stephen L. Knollmeyer Lab. Director

Date 11/6/2002

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analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

October 31, 2002

CLIENT SAMPLE ID

Project Name: DRU 046-02

Project Number:

Field Sample ID: GP-26

SAMPLE DATA

Lab Sample ID: 48553-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/28/02
Lab Receipt Date: 10/29/02
Analysis Date: 10/30/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	1 J	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	1 J
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	1 J
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	24
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	2	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98 %	d8-Toluene	99 %	Bromofluorobenzene	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelly

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

October 31, 2002

SAMPLE DATA

Lab Sample ID: 48553-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/28/02
Lab Receipt Date: 10/29/02
Analysis Date: 10/30/02

CLIENT SAMPLE ID

Project Name: DRU 046-02

Project Number:

Field Sample ID: GP-27

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane 99 % d8-Toluene 98 % Bromofluorobenzene 91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa Arbelli

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PO Box 1107
Yarmouth, ME 04096-1107

October 31, 2002

CLIENT SAMPLE ID

Project Name: DRU 046-02

Project Number:

Field Sample ID: GP-28

SAMPLE DATA

Lab Sample ID: 48553-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/28/02
Lab Receipt Date: 10/29/02
Analysis Date: 10/30/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	2
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98 %	d8-Toluene	99 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Tulli

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PO Box 1107
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October 31, 2002

CLIENT SAMPLE ID

Project Name: DRU 046-02

Project Number:

Field Sample ID: GP-29

SAMPLE DATA

Lab Sample ID: 48553-4
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/28/02
Lab Receipt Date: 10/29/02
Analysis Date: 10/30/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	5
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99 %	d8-Toluene	98 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

October 31, 2002

CLIENT SAMPLE ID

Project Name: DRU 046-02

Project Number:

Field Sample ID: GP-30

SAMPLE DATA

Lab Sample ID: 48553-5
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/28/02
Lab Receipt Date: 10/29/02
Analysis Date: 10/30/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	3
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98 %	d8-Toluene	98 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelli

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

October 31, 2002

CLIENT SAMPLE ID

Project Name: DRU 046-02

Project Number:

Field Sample ID: TB-102802

SAMPLE DATA

Lab Sample ID: 48553-6
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/28/02
Lab Receipt Date: 10/29/02
Analysis Date: 10/30/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100 %	d8-Toluene	97 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRU046-02 | SAMPLER NAME: MDR

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
- ☑ Standard 11/7
- ☐ Priority (SURCHARGE)

Quote # _____

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: VOCs 8260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-26	3	VOA VIAL		X	GW	X		HCl/4°C	10/28/02	1410	X	18553-1
GP-27	3	"		X	"	X		"	"	1415	X	-2
GP-28	3	"		X	"	X		"	"	1420	X	-3
GP-29	3	"		X	"	X		"	"	1450	X	-4
GP-30	3	"		X	"	X		"	"	1455	X	-5
TB-102802	1	"		X	"	X		"	"	—	X	-6

800/800

Received within hold time ☑ yes ☐ no ☐ N/A
Received in good condition ☑ yes ☐ no ☐ N/A
Temp. Blank °C 2°C /Frozen ice packs ☐ N/A
Samples received preserved ☑ yes ☐ no ☐ N/A
Chain of Custody seal ☐ yes ☐ no
✓ amb 10.29.02

COMMENTS

	DATE	TIME	
RELINQUISHED BY SAMPLER:			RECEIVED BY:
RELINQUISHED BY: Martha N. Mixon	DATE 10-29-02	TIME 1525	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY

One Main Street • Yarmouth, Maine 04096-1690 • (207) 846-6569 • FAX (207) 846-9066

Chain of Custody

PROJECT MANAGER	TELEPHONE	FAX #
MATTHEW REYNOLDS	771-5546	771-5547

COMPANY	PURCHASE ORDER #
DRUMLIN ENVIRONMENTAL	

ADDRESS: P.O. BOX 392 PORTLAND ME 04112

PROJECT NAME	SAMPLER NAME
PBIED - #107	MDR

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYTICAL PARAMETERS: VOA 8260
GP-26	3	40ml		X	GW	X		HCL	10/28/02	1410	X
GP-27	3									1415	X
GP-28	3									1420	X
GP-29	3									1450	X
GP-30	3									1455	X
TB-102802	1										X

RECEIVED BY:	TIME	DATE
	1235	10/28/02

RECEIVED BY:	TIME	DATE

RECEIVED BY LABORATORY:	TIME	DATE
	1736	10/28/02

RELINQUISHED BY SAMPLER:	RELINQUISHED BY:	RELINQUISHED BY:

TURNAROUND REQUEST

- [X] Standard
- [ ] Priority (SURCHARGE)

Received within hold time [X] yes [ ] no

Received in good condition [X] yes [ ] no

Temp. Blank °C _____ / Frozen ice packs.

Samples received preserved [X] yes [ ] no

REMARKS

Quote # _____

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
analytics@analyticslab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 48624

Revision: Rev. 0

Re: DRU 047-02 (Casco #107)

Enclosed are the results of the analyses on your sample(s). Samples were received on 11 November 2002 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
48624-1	11/11/02	GP-31	EPA 8260 Volatile Organics	
48624-2	11/11/02	GP-32	EPA 8260 Volatile Organics	
48624-3	11/11/02	GP-33	EPA 8260 Volatile Organics	
48624-4	11/11/02	SW-DB-1	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/12/2002

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analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 12, 2002

CLIENT SAMPLE ID

Project Name: DRU 047-02 (Casco #107)

Project Number:

Field Sample ID: GP-31

SAMPLE DATA

Lab Sample ID:	48624-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	11/11/02
Lab Receipt Date:	11/11/02
Analysis Date:	11/12/02

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	9
Tetrachloroethene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	83 %	d8-Toluene	94 %	Bromofluorobenzene	86 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430 2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 12, 2002

CLIENT SAMPLE ID

Project Name: DRU 047-02 (Casco #107)

Project Number:

Field Sample ID: GP-32

SAMPLE DATA

Lab Sample ID: 48624-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 11/11/02
Lab Receipt Date: 11/11/02
Analysis Date: 11/12/02

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	**19**
Tetrachloroethene	2	**1 J**

Surrogate Standard Recovery

d4-1,2-Dichloroethane	87 %	d8-Toluene	94 %	Bromofluorobenzene	86 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 12, 2002

CLIENT SAMPLE ID

Project Name: DRU 047-02 (Casco #107)

Project Number:

Field Sample ID: GP-33

SAMPLE DATA

Lab Sample ID:	48624-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	11/11/02
Lab Receipt Date:	11/11/02
Analysis Date:	11/12/02

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	**30**
Tetrachloroethene	2	**2**

Surrogate Standard Recovery

d4-1,2-Dichloroethane	87 %	d8-Toluene	96 %	Bromofluorobenzene	87 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 12, 2002

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 047-02 (Casco #107)

Project Number:

Field Sample ID: SW-DB-1

Lab Sample ID: 48624-4
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 11/11/02
Lab Receipt Date: 11/11/02
Analysis Date: 11/12/02

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	U
Tetrachloroethene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	87 %	d8-Toluene	94 %	Bromofluorobenzene	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature

AEL

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRU047.02 (Casco #107) | SAMPLER NAME: MDR

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	TCE/PCE via 8260 (report full list) Report TCE/PCE only mm 11-11-02	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-31	3	VOA vial		X	AQ	X		HCl/4C	11-11-02	1040	X	18624-1
-32	3			X		X				1055	X	-2
-33	3			X		X				1105	X	-3
SW-DB-1	3			X		X				1140	X	-4

900/900

ANALYSES

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
- ☐ Standard
- ☒ Priority (SURCHARGE) 11-12

Quote #ME2092602

Received within hold time	☑ yes	☐ no	☐ N/A
Received in good condition	☑ yes	☐ no	☐ N/A
Temp. Blank °C 2°C /Frozen ice packs			☐ N/A
Samples received preserved	☑ yes	☐ no	☐ N/A

Chain of Custody seal ☐ yes ☐ no

COMMENTS

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY: Martha N. Mixon	11-11-02	1530
RELINQUISHED BY:	DATE	TIME

RECEIVED BY:

RECEIVED BY:

RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

LABORATORY REPORT # DRU047.02

Delivered by M. Reynolds

PROJECT MANAGER: Matthew Reynolds
TELEPHONE: 771-5546
FAX # / E-MAIL: 771-5547

COMPANY: Drumlin Environmental LLC
PURCHASE ORDER # / BILL TO:

ADDRESS: P O Box 392 Portland ME 04112

PROJECT NAME: Casco #107
SAMPLER NAME: MDR

TURNAROUND REQUEST
- ☐ Standard
- ☒ Priority (SURCHARGE) Spoke w/ Herb
- Quote # 11/8/02

ANALYSES: TCE/PCE via 8260

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	TCE/PCE via 8260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-31	3	40ml		X	AQ	X		HCL	11/1/02	1040	X	AIR
GP-32	3	↓		↓	↓	↓		↓	↓	1055	X	↓
GP-33	3	↓		↓	↓	↓		↓	↓	1105	X	↓
SW-DB-1	3	↓		↓	↓	↓		↓	↓	1140	X	↓

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C _____ /Frozen ice packs ☐ N/A
Samples received preserved ☒ yes ☐ no ☐ N/A
Chain of Custody seal ☐ yes ☐ no

COMMENTS

RELINQUISHED BY SAMPLER: [signature]	DATE 11/1/02	TIME 1315	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE -0-	TIME 315	RECEIVED BY LABORATORY: [signature]

COC-02

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
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800-929-9906
www.analyticslab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 50523

Revision: Rev. 0

Re: DRU 071-03

Enclosed are the results of the analyses on your sample(s). Samples were received on 23 September 2003 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
50523-1	09/22/03	GP-40	EPA 8260 Volatile Organics	
50523-2	09/22/03	GP-41	EPA 8260 Volatile Organics	
50523-3	09/22/03	GP-42	EPA 8260 Volatile Organics	
50523-4	09/22/03	GP-43	EPA 8260 Volatile Organics	
50523-5	09/22/03	TB-9-03	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/26/2003

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analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 071-03

Project Number:

Field Sample ID: GP-40

SAMPLE DATA

Lab Sample ID: 50523-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/22/03
Lab Receipt Date: 09/23/03
Analysis Date: 09/24/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	**20**
Tetrachloroethene	2	**1 J**

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	98 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A Hall

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 071-03

Project Number:

Field Sample ID: GP-41

SAMPLE DATA

Lab Sample ID:	50523-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	09/22/03
Lab Receipt Date:	09/23/03
Analysis Date:	09/24/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	**46**
Tetrachloroethene	2	**3**

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	98 %	Bromofluorobenzene	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A Valli

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 071-03

Project Number:

Field Sample ID: GP-42

SAMPLE DATA

Lab Sample ID: 50523-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/22/03
Lab Receipt Date: 09/23/03
Analysis Date: 09/24/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	5
Tetrachloroethene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	98 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melinda A Kelli

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 26, 2003

CLIENT SAMPLE ID

Project Name: DRU 071-03

Project Number:

Field Sample ID: GP-43

SAMPLE DATA

Lab Sample ID:	50523-4
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	09/22/03
Lab Receipt Date:	09/23/03
Analysis Date:	09/24/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	2
Tetrachloroethene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	99 %	Bromofluorobenzene	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 071-03

Project Number:

Field Sample ID: TB-9-03

SAMPLE DATA

Lab Sample ID: 50523-5
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/22/03
Lab Receipt Date: 09/23/03
Analysis Date: 09/24/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	U
Tetrachloroethene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91 %	d8-Toluene	98 %	Bromofluorobenzene	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A. Hall

MEL

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRU071-03 | SAMPLER NAME: M. Reynolds

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☑ Standard 10/3
☐ Priority (SURCHARGE)
MEL110602-0
Quote #

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: VOA 8260 - PCE + TCE Only	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-40	3	VOA VIAL		X	GW	X		HCl	9/22	1400	X	505231
GP-41	3	"		X	"	X		"	"	1440	X	2
GP-42	3	"		X	"	X		"	"	150	X	3
GP-43	3	"		X	"	X		"	"	1540	X	4
TB-9-03	1	"		X	"	X		"	"	—	X	5

Received within hold time ☑ yes ☐ no ☐ N/A
Received in good condition ☑ yes ☐ no ☐ N/A
Temp. Blank °C 3 /Frozen ice packs ☐ N/A
Samples received preserved ☑ yes ☐ no ☐ N/A
Custody seal present ☐ yes ☐ no

COMMENTS

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY:	9/23/03	1500
RELINQUISHED BY:		

RECEIVED BY:
RECEIVED BY:
RECEIVED BY LABORATORY:

DKU071-07

MAINE ENVIRONMENTAL LABORATORY

One Main Street • Yarmouth, Maine 04096-1690 • (207) 846-6569 • FAX (207) 846-9066

Chain of Custody

PROJECT MANAGER: Matt Reynolds | TELEPHONE: 771-5546 | FAX #: 771-5547

COMPANY: Dublin Environmental LLC | PURCHASE ORDER #: 9/-007

ADDRESS: P.O. Box 392 Portland ME 04112

PROJECT NAME: PBWO #107 | SAMPLER NAME: MJK

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYTICAL PARAMETERS: VOA 8260 - PCE + TCE Only
GP-40	3	40ml		X	GW	X		HCL	9/9/03	1400	2
GP-41	3									1440	2
GP-42	3									1510	2
GP-43	3									1540	2
TB-9-03	1										

TURNAROUND REQUEST
- [X] Standard
- [ ] Priority (SURCHARGE)

Received within hold time [X] yes [ ] no
Received in good condition [X] yes [ ] no
Temp. Blank °C ____ / Frozen ice packs
Samples received preserved [X] yes [ ] no

REMARKS: # Quote 042601

Quote # ____

	RECEIVED BY:	TIME	DATE
		0645	9/23/03

	RECEIVED BY:	TIME	DATE

	RECEIVED BY LABORATORY:	TIME	DATE
		0945	9/23/03

	RELINQUISHED BY SAMPLER:	TIME	DATE
		0645	9/23/03

	RELINQUISHED BY:	TIME	DATE

	RELINQUISHED BY:	TIME	DATE

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 51062

Revision: Rev. 0

Re: DRU 079-03

Enclosed are the results of the analyses on your sample(s). Samples were received on 12 December 2003 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
51062-1	12/09/03	GP-44	EPA 8260B (Halocarbons only)	
51062-2	12/09/03	GP-45	EPA 8260B (Halocarbons only)	
51062-3	12/09/03	GP-46	EPA 8260B (Halocarbons only)	
51062-4	12/09/03	GP-47	EPA 8260B (Halocarbons only)	
51062-5	12/09/03	GP-48	EPA 8260B (Halocarbons only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, Virginia, Pennsylvania and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 12/16/2003

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analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 16, 2003

CLIENT SAMPLE ID

Project Name: DRU 079-03

Project Number:

Field Sample ID: GP-44

SAMPLE DATA

Lab Sample ID: 51062-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 12/09/03
Lab Receipt Date: 12/12/03
Analysis Date: 12/15/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	U
Tetrachloroethene	2	U

Surrogate Standard Recovery

Dibromofluoromethan	106 %	d4-1,2-Dichloroethane	105 %	d8-Toluene	102 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature

analytics environmental laboratory LLC

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 16, 2003

CLIENT SAMPLE ID

Project Name: DRU 079-03

Project Number:

Field Sample ID: GP-45

SAMPLE DATA

Lab Sample ID:	51062-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1
Collection Date:	12/09/03
Lab Receipt Date:	12/12/03
Analysis Date:	12/15/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	4
Tetrachloroethene	2	U

Surrogate Standard Recovery

Dibromofluoromethan	105	%	d4-1,2-Dichloroethane	104	%	d8-Toluene	104	%	Bromofluorobenzene	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A. Tuttle

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 16, 2003

CLIENT SAMPLE ID

Project Name: DRU 079-03

Project Number:

Field Sample ID: GP-46

SAMPLE DATA

Lab Sample ID:	51062-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1
Collection Date:	12/09/03
Lab Receipt Date:	12/12/03
Analysis Date:	12/15/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	U
Tetrachloroethene	2	U

Surrogate Standard Recovery

Dibromofluoromethan	108	%	d4-1,2-Dichloroethane	111	%	d8-Toluene	103	%	Bromofluorobenzene	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A. Tuttle

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 16, 2003

CLIENT SAMPLE ID

Project Name: DRU 079-03

Project Number:

Field Sample ID: GP-47

SAMPLE DATA

Lab Sample ID:	51062-4
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1
Collection Date:	12/09/03
Lab Receipt Date:	12/12/03
Analysis Date:	12/15/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	U
Tetrachloroethene	2	U

Surrogate Standard Recovery

Dibromofluoromethan	108 %	d4-1,2-Dichloroethane	105 %	d8-Toluene	103 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A Tulli

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195 Commerce Way
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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

December 16, 2003

CLIENT SAMPLE ID

Project Name: DRU 079-03

Project Number:

Field Sample ID: GP-48

SAMPLE DATA

Lab Sample ID: 51062-5
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 12/09/03
Lab Receipt Date: 12/12/03
Analysis Date: 12/15/03

ANALYTICAL RESULTS - VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L
Trichloroethene	2	U
Tetrachloroethene	2	U

Surrogate Standard Recovery

Dibromofluoromethan	108	%	d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzene	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.
COMMENTS:

Authorized signature Melissa A Tuli

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: N. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRU079-03 | SAMPLER NAME

ANALYSES: 8260 (PCE + TCE only)

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☑ Standard 12/19
☐ Priority (SURCHARGE)

Quote #

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	8260 (PCE + TCE only)	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-44	3	VOA VIAL		X	GW	X		HCl/4°C	12/9/03	1340	X	51062-1
GP-45	3	"		X	"	X		"	"	1415	X	2
GP-46	3	"		X	"	X		"	"	1445	X	3
GP-47	3	"		X	"	X		"	"	1515	X	4
GP-48	3	"		X	"	X		"	"	1540	X	5

Received within hold time ☑ yes ☐ no ☐ N/A | Custody seal present ☐ yes ☐ no

Received in good condition ☑ yes ☐ no ☐ N/A

Temp. Blank °C 3.6 /Frozen ice packs ☐ N/A

Samples received preserved ☑ yes ☐ no ☐ N/A

COMMENTS

RELINQUISHED BY SAMPLER:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	12/12/03	1120	RECEIVED BY:
RELINQUISHED BY:	12/12/03	12:36	RECEIVED BY LABORATORY:

COC-03

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

LABORATORY REPORT # DRU079-03

Delivered by M. Reynolds

PROJECT MANAGER: Matt Reynolds
TELEPHONE: 771-5546
FAX # / E-MAIL: 771-5547

COMPANY: Drumlin Environmental LLC
PURCHASE ORDER # / BILL TO: 02008

ADDRESS: P.O. Box 392 Portland ME 04112

PROJECT NAME: PBWO #208
SAMPLER NAME:

TURNAROUND REQUEST
- ☐ Standard
- ☐ Priority (SURCHARGE)

Quote #_____

ANALYSES: PCE + TCE via 8260

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	PCE + TCE via 8260	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
GP-44	3	40 ml		X	GW	X		4°C/HCL	12/9/03	1340	X	ALL
GP-45	↓	↓		↓	↓	↓		↓	↓	1415	X	↓
GP-46	↓	↓		↓	↓	↓		↓	↓	1445	X	↓
GP-47	↓	↓		↓	↓	↓		↓	↓	1515	X	↓
GP-48	↓	↓		↓	↓	↓		↓	↓	1540	X	↓

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C _____ /Frozen ice packs ☐ N/A
Samples received preserved ☒ yes ☐ no ☐ N/A
Custody seal present ☐ yes ☒ no

COMMENTS

RELINQUISHED BY SAMPLER: [signature]	DATE 12/9/03	TIME 1800	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE 12/9/03	TIME ~~1800~~ 1800	RECEIVED BY LABORATORY: [signature]

mount 12/9

COC-03

APRIL 2003 SAMPLING EVENT

- **Groundwater**
- **Surface Water**
- **Hancock Wells**
- **Sediments**

analytics environmental laboratory LLC

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800-929-9906
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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 49442

Revision: Rev. 0

Re: DRU 054-03 (PBWO #107)

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 April 2003 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
49442-1	04/17/03	MW-10B	EPA 8260 Volatile Organics	
49442-2	04/17/03	MW-10A	EPA 8260 Volatile Organics	
49442-3	04/17/03	MW-11A	EPA 8260 Volatile Organics	
49442-4	04/17/03	MW-12A	EPA 8260 Volatile Organics	
49442-5	04/17/03	MW-6	EPA 8260 Volatile Organics	
	04/17/03	MW-6	Maine HETL Method 4.1.25	
49442-6	04/17/03	MW-14B	EPA 8260 Volatile Organics	
49442-7	04/17/03	MW-15B	EPA 8260 Volatile Organics	
49442-8	04/17/03	SW-4R	EPA 8260 Volatile Organics	
49442-9	04/17/03	MW-13Y	EPA 8260 Volatile Organics	
49442-10	04/17/02	DUP-2-04-03	EPA 8260 Volatile Organics	
49442-11	04/17/03	MW-13Z	EPA 8260 Volatile Organics	
49442-12	04/17/03	MW-13A	EPA 8260 Volatile Organics	
49442-13	04/17/03	DUP-1-04-03	EPA 8260 Volatile Organics	
49442-14	04/17/03	MW-13B	EPA 8260 Volatile Organics	
	04/17/03	MW-13B	Maine HETL Method 4.1.25	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, Virginia and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 5/2/2003

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 49442

Revision: Rev. 0

Re: DRU 054-03 (PBWO #107)

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 April 2003 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
49442-15	04/17/03	SW-2	EPA 8260 Volatile Organics	
49442-16	04/17/03	SW-1	EPA 8260 Volatile Organics	
49442-17	04/18/03	MW-18A	EPA 8260 Volatile Organics	
49442-18	04/18/03	MW-18B	EPA 8260 Volatile Organics	
	04/18/03	MW-18B	Maine HETL Method 4.1.25	
49442-19	04/18/03	MW-16C	EPA 8260 Volatile Organics	
49442-20	04/18/03	MW-16B	EPA 8260 Volatile Organics	
49442-21	04/18/03	MW-16A	EPA 8260 Volatile Organics	
49442-22	04/18/03	SW-7	EPA 8260 Volatile Organics	
49442-23	04/18/03	MW-17B	EPA 8260 Volatile Organics	
	04/18/03	MW-17B	Maine HETL Method 4.1.25	
49442-24	04/18/03	MW-17A	EPA 8260 Volatile Organics	
	04/18/03	MW-17A	Maine HETL Method 4.1.25	
49442-25	04/18/03	SW-DB	EPA 8260 Volatile Organics	
49442-26	04/17/03	WW WELL/HANCOCK	EPA 8260 Volatile Organics	
	04/17/03	WW WELL/HANCOCK	Maine HETL Method 4.1.25	

Sample Receipt Exceptions: None

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Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 5/2/2003

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PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 49442

Revision: Rev. 0

Re: DRU 054-03 (PBWO #107)

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 April 2003 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
49442-27	04/17/03	DW HANCOCK	EPA 524.2 Volatile Organics	
	04/17/03	DW HANCOCK	Maine HETL Method 4.1.25	
49442-28	04/17/03	BB WELL/HANCOCK	EPA 524.2 Volatile Organics	
	04/17/03	BB WELL/HANCOCK	Maine HETL Method 4.1.25	
49442-29	04/17/03	PW WELL/HANCOCK	EPA 8260 Volatile Organics	
	04/17/03	PW WELL/HANCOCK	Maine HETL Method 4.1.25	
49442-30	04/17/03	TB-2Q03	EPA 8260 Volatile Organics	
49442-31	04/18/03	SED-1A-03	EPA 8082 (PCBs only)	
	04/18/03	SED-1A-03	EPA 8260 Volatile Organics	
	04/18/03	SED-1A-03	Maine HETL Method 4.1.25	
49442-32	04/18/03	SED-2A-03	EPA 8082 (PCBs only)	
	04/18/03	SED-2A-03	EPA 8260 Volatile Organics	
	04/18/03	SED-2A-03	Maine HETL Method 4.1.25	
49442-33	04/18/03	TRIP BLANK	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina, Virginia and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 5/2/2003

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

April 24, 2003

SAMPLE DATA

Lab Sample ID: 49442-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-10B

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	5
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	2
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	20
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	98 %	Bromofluorobenzene	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Mylena A Tulli

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

April 24, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-10A

Lab Sample ID: 49442-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	2
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	101 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A. Kelli

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April 24, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-11A

Lab Sample ID: 49442-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	10
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	100 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 24, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-12A

Lab Sample ID: 49442-4
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**5**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	**3**
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**88**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	**20**	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	99 %	Bromofluorobenzene	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 29, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-6

SAMPLE DATA

Lab Sample ID: 49442-5
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 200
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/28/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	400	U	1,3-Dichloropropane	400	U
Bromobenzene	400	U	cis-1,3-Dichloropropene	400	U
Bromochloromethane	400	U	trans-1,3-Dichloropropene	400	U
Bromodichloromethane	400	U	2,2-Dichloropropane	400	U
Bromoform	400	U	1,1-Dichloropropene	400	U
Bromomethane	400	U	Ethylbenzene	400	U
n-butylbenzene	400	U	Hexachlorobutadiene	400	U
sec-butylbenzene	400	U	Isopropylbenzene	400	U
tert-butylbenzene	400	U	p-isopropyltoluene	400	U
Carbon Tetrachloride	400	U	Methylene Chloride	1000	U
Chlorobenzene	400	U	Methyl-tert-butyl ether	400	U
Chloroethane	400	U	Naphthalene	400	U
Chloroform	400	U	n-Propylbenzene	400	U
Chloromethane	400	U	Styrene	400	U
2-Chlorotoluene	400	U	1,1,1,2-Tetrachloroethane	400	U
4-Chlorotoluene	400	U	1,1,2,2-Tetrachloroethane	400	U
Dibromochloromethane	400	U	Tetrachloroethene	400	U
1,2-Dibromo-3-chloropropane	400	U	Toluene	400	U
1,2-Dibromoethane	400	U	1,2,3-Trichlorobenzene	400	U
Dibromomethane	400	U	1,2,4-Trichlorobenzene	400	U
1,2-Dichlorobenzene	400	U	1,1,1-Trichloroethane	400	**570**
1,3-Dichlorobenzene	400	U	1,1,2-Trichloroethane	400	U
1,4-Dichlorobenzene	400	U	Trichloroethene	400	**14300**
Dichlorodifluoromethane	400	U	Trichlorofluoromethane	400	U
1,1-Dichloroethane	400	U	1,2,3-Trichloropropane	400	U
1,2-Dichloroethane	400	U	1,2,4-Trimethylbenzene	400	U
1,1-Dichloroethene	400	U	1,3,5-Trimethylbenzene	400	U
cis-1,2-Dichloroethene	400	**1450**	Vinyl Chloride	400	U
trans-1,2-Dichloroethene	400	U	o-Xylene	400	U
1,2-Dichloropropane	400	U	m,p-Xylene	400	U
Acetone	2000	U	Diethyl ether	400	U
Carbon Disulfide	400	U	2-Hexanone	2000	U
Tetrahydrofuran	1000	U	Methyl isobutyl ketone	2000	U
Methyl ethyl ketone	2000	U	Di-isopropyl ether (DIPE)	400	U
t-Butyl alcohol (TBA)	4000	U	Ethyl t-butyl ether (ETBE)	400	U
t-Amyl methyl ether (TAME)	400	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	102 %	Bromofluorobenzene	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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May 1, 2003

SAMPLE DATA

Lab Sample ID:	49442-5
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/17/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-6

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
132	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

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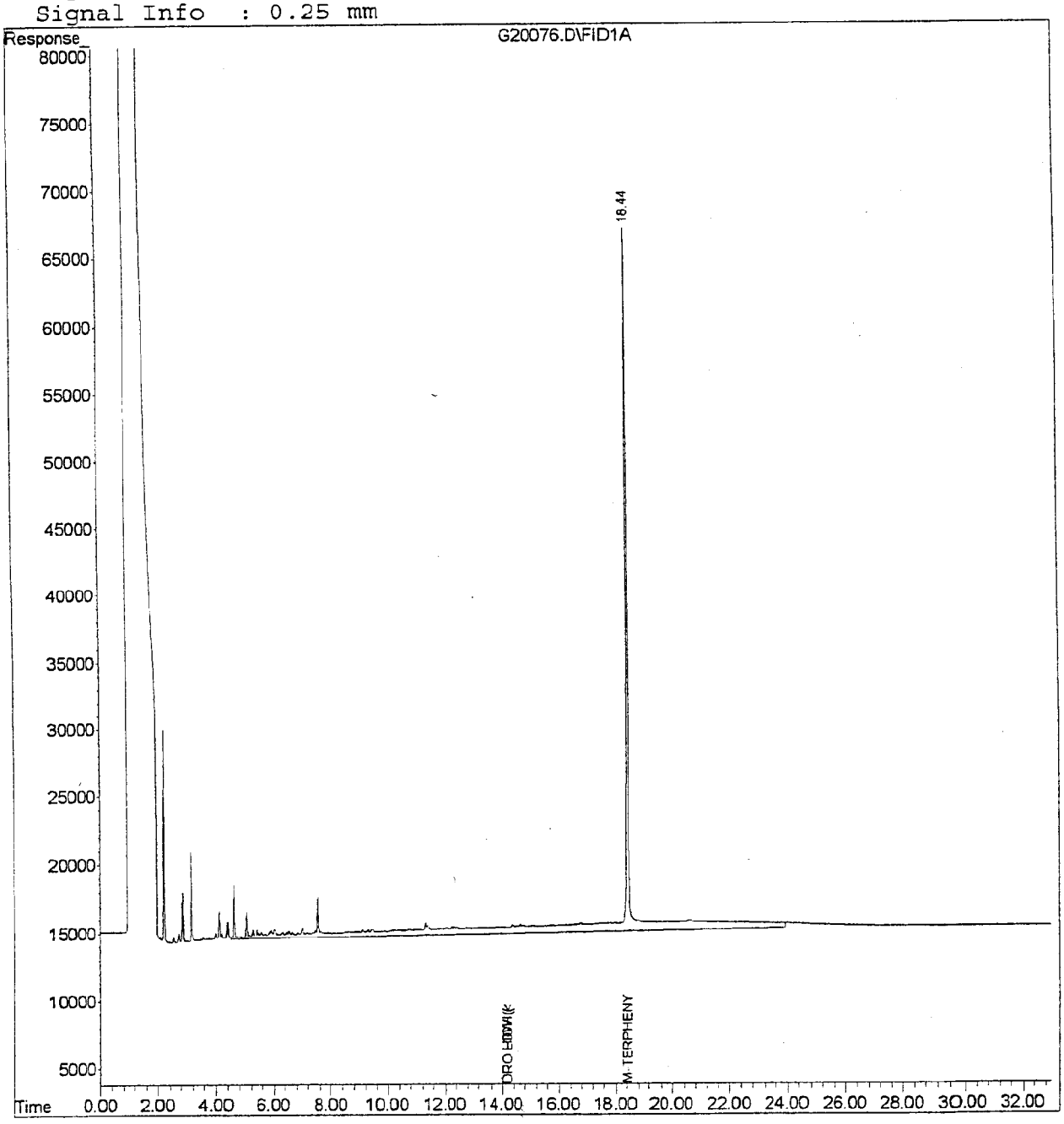
Data File : D:\HPCHEM\2\DATA\042403-G\G20076.D
Acq On : 25 Apr 2003 8:21 am
Sample : 49442-5
Misc :
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:01 2003 Quant Results File: D04223.RES

Vial: 31
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 25, 2003

SAMPLE DATA

Lab Sample ID: 49442-6
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 2.5
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-14B

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	5	U	1,3-Dichloropropane	5	U
Bromobenzene	5	U	cis-1,3-Dichloropropene	5	U
Bromochloromethane	5	U	trans-1,3-Dichloropropene	5	U
Bromodichloromethane	5	U	2,2-Dichloropropane	5	U
Bromoform	5	U	1,1-Dichloropropene	5	U
Bromomethane	5	U	Ethylbenzene	5	U
n-butylbenzene	5	U	Hexachlorobutadiene	5	U
sec-butylbenzene	5	U	Isopropylbenzene	5	U
tert-butylbenzene	5	U	p-isopropyltoluene	5	U
Carbon Tetrachloride	5	U	Methylene Chloride	13	U
Chlorobenzene	5	U	Methyl-tert-butyl ether	5	U
Chloroethane	5	U	Naphthalene	5	U
Chloroform	5	U	n-Propylbenzene	5	U
Chloromethane	5	U	Styrene	5	U
2-Chlorotoluene	5	U	1,1,1,2-Tetrachloroethane	5	U
4-Chlorotoluene	5	U	1,1,2,2-Tetrachloroethane	5	U
Dibromochloromethane	5	U	Tetrachloroethene	5	**5**
1,2-Dibromo-3-chloropropane	5	U	Toluene	5	U
1,2-Dibromoethane	5	U	1,2,3-Trichlorobenzene	5	U
Dibromomethane	5	U	1,2,4-Trichlorobenzene	5	U
1,2-Dichlorobenzene	5	U	1,1,1-Trichloroethane	5	**5**
1,3-Dichlorobenzene	5	U	1,1,2-Trichloroethane	5	U
1,4-Dichlorobenzene	5	U	Trichloroethene	5	**131**
Dichlorodifluoromethane	5	U	Trichlorofluoromethane	5	U
1,1-Dichloroethane	5	U	1,2,3-Trichloropropane	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
1,1-Dichloroethene	5	U	1,3,5-Trimethylbenzene	5	U
cis-1,2-Dichloroethene	5	**24**	Vinyl Chloride	5	U
trans-1,2-Dichloroethene	5	U	o-Xylene	5	U
1,2-Dichloropropane	5	U	m,p-Xylene	5	U
Acetone	25	U	Diethyl ether	5	U
Carbon Disulfide	5	U	2-Hexanone	25	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	25	U
Methyl ethyl ketone	25	U	Di-isopropyl ether (DIPE)	5	U
t-Butyl alcohol (TBA)	50	U	Ethyl t-butyl ether (ETBE)	5	U
t-Amyl methyl ether (TAME)	5	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane 97 % d8-Toluene 99 % Bromofluorobenzene 95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-15B

SAMPLE DATA

Lab Sample ID: 49442-7
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**18 J**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**17 J**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**471**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	**80**	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether (DIPE)	20	U
t-Butyl alcohol (TBA)	200	U	Ethyl t-butyl ether (ETBE)	20	U
t-Amyl methyl ether (TAME)	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	100 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SW-4R

SAMPLE DATA

Lab Sample ID: 49442-8
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	1 J
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	23
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	6	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	98 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelli

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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: DUP-2-04-03

SAMPLE DATA

Lab Sample ID: 49442-10
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/02
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**1 J**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**28**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	**6**	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101 %	d8-Toluene	100 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 24, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-13Y

Lab Sample ID: 49442-9
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	4
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	8
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	1 J	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	100 %	Bromofluorobenzene	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-13Z

SAMPLE DATA

Lab Sample ID: 49442-11
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	98 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 24, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-13A

Lab Sample ID: 49442-12
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**35**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**18 J**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**317**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	**44**	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether (DIPE)	20	U
t-Butyl alcohol (TBA)	200	U	Ethyl t-butyl ether (ETBE)	20	U
t-Amyl methyl ether (TAME)	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	105 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: DUP-1-04-03

SAMPLE DATA

Lab Sample ID: 49442-13
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 10
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	20	U	1,3-Dichloropropane	20	U
Bromobenzene	20	U	cis-1,3-Dichloropropene	20	U
Bromochloromethane	20	U	trans-1,3-Dichloropropene	20	U
Bromodichloromethane	20	U	2,2-Dichloropropane	20	U
Bromoform	20	U	1,1-Dichloropropene	20	U
Bromomethane	20	U	Ethylbenzene	20	U
n-butylbenzene	20	U	Hexachlorobutadiene	20	U
sec-butylbenzene	20	U	Isopropylbenzene	20	U
tert-butylbenzene	20	U	p-isopropyltoluene	20	U
Carbon Tetrachloride	20	U	Methylene Chloride	50	U
Chlorobenzene	20	U	Methyl-tert-butyl ether	20	U
Chloroethane	20	U	Naphthalene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Chloromethane	20	U	Styrene	20	U
2-Chlorotoluene	20	U	1,1,1,2-Tetrachloroethane	20	U
4-Chlorotoluene	20	U	1,1,2,2-Tetrachloroethane	20	U
Dibromochloromethane	20	U	Tetrachloroethene	20	**34**
1,2-Dibromo-3-chloropropane	20	U	Toluene	20	U
1,2-Dibromoethane	20	U	1,2,3-Trichlorobenzene	20	U
Dibromomethane	20	U	1,2,4-Trichlorobenzene	20	U
1,2-Dichlorobenzene	20	U	1,1,1-Trichloroethane	20	**20**
1,3-Dichlorobenzene	20	U	1,1,2-Trichloroethane	20	U
1,4-Dichlorobenzene	20	U	Trichloroethene	20	**318**
Dichlorodifluoromethane	20	U	Trichlorofluoromethane	20	U
1,1-Dichloroethane	20	U	1,2,3-Trichloropropane	20	U
1,2-Dichloroethane	20	U	1,2,4-Trimethylbenzene	20	U
1,1-Dichloroethene	20	U	1,3,5-Trimethylbenzene	20	U
cis-1,2-Dichloroethene	20	**49**	Vinyl Chloride	20	U
trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,2-Dichloropropane	20	U	m,p-Xylene	20	U
Acetone	100	U	Diethyl ether	20	U
Carbon Disulfide	20	U	2-Hexanone	100	U
Tetrahydrofuran	50	U	Methyl isobutyl ketone	100	U
Methyl ethyl ketone	100	U	Di-isopropyl ether (DIPE)	20	U
t-Butyl alcohol (TBA)	200	U	Ethyl t-butyl ether (ETBE)	20	U
t-Amyl methyl ether (TAME)	20	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	103 %	Bromofluorobenzene	94 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-13B

SAMPLE DATA

Lab Sample ID: 49442-14
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 200
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	400	U	1,3-Dichloropropane	400	U
Bromobenzene	400	U	cis-1,3-Dichloropropene	400	U
Bromochloromethane	400	U	trans-1,3-Dichloropropene	400	U
Bromodichloromethane	400	U	2,2-Dichloropropane	400	U
Bromoform	400	U	1,1-Dichloropropene	400	U
Bromomethane	400	U	Ethylbenzene	400	U
n-butylbenzene	400	U	Hexachlorobutadiene	400	U
sec-butylbenzene	400	U	Isopropylbenzene	400	U
tert-butylbenzene	400	U	p-isopropyltoluene	400	U
Carbon Tetrachloride	400	U	Methylene Chloride	1000	U
Chlorobenzene	400	U	Methyl-tert-butyl ether	400	U
Chloroethane	400	U	Naphthalene	400	U
Chloroform	400	U	n-Propylbenzene	400	U
Chloromethane	400	U	Styrene	400	U
2-Chlorotoluene	400	U	1,1,1,2-Tetrachloroethane	400	U
4-Chlorotoluene	400	U	1,1,2,2-Tetrachloroethane	400	U
Dibromochloromethane	400	U	Tetrachloroethene	400	**218 J**
1,2-Dibromo-3-chloropropane	400	U	Toluene	400	U
1,2-Dibromoethane	400	U	1,2,3-Trichlorobenzene	400	U
Dibromomethane	400	U	1,2,4-Trichlorobenzene	400	U
1,2-Dichlorobenzene	400	U	1,1,1-Trichloroethane	400	**344 J**
1,3-Dichlorobenzene	400	U	1,1,2-Trichloroethane	400	U
1,4-Dichlorobenzene	400	U	Trichloroethene	400	**11400**
Dichlorodifluoromethane	400	U	Trichlorofluoromethane	400	U
1,1-Dichloroethane	400	U	1,2,3-Trichloropropane	400	U
1,2-Dichloroethane	400	U	1,2,4-Trimethylbenzene	400	U
1,1-Dichloroethene	400	U	1,3,5-Trimethylbenzene	400	U
cis-1,2-Dichloroethene	400	**1500**	Vinyl Chloride	400	U
trans-1,2-Dichloroethene	400	U	o-Xylene	400	U
1,2-Dichloropropane	400	U	m,p-Xylene	400	U
Acetone	2000	U	Diethyl ether	400	U
Carbon Disulfide	400	U	2-Hexanone	2000	U
Tetrahydrofuran	1000	U	Methyl isobutyl ketone	2000	U
Methyl ethyl ketone	2000	U	Di-isopropyl ether (DIPE)	400	U
t-Butyl alcohol (TBA)	4000	U	Ethyl t-butyl ether (ETBE)	400	U
t-Amyl methyl ether (TAME)	400	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	106 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

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May 1, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-13B

SAMPLE DATA

Lab Sample ID: 49442-14
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Extraction Date: 04/23/03
Analysis Date: 04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
236	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	77	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

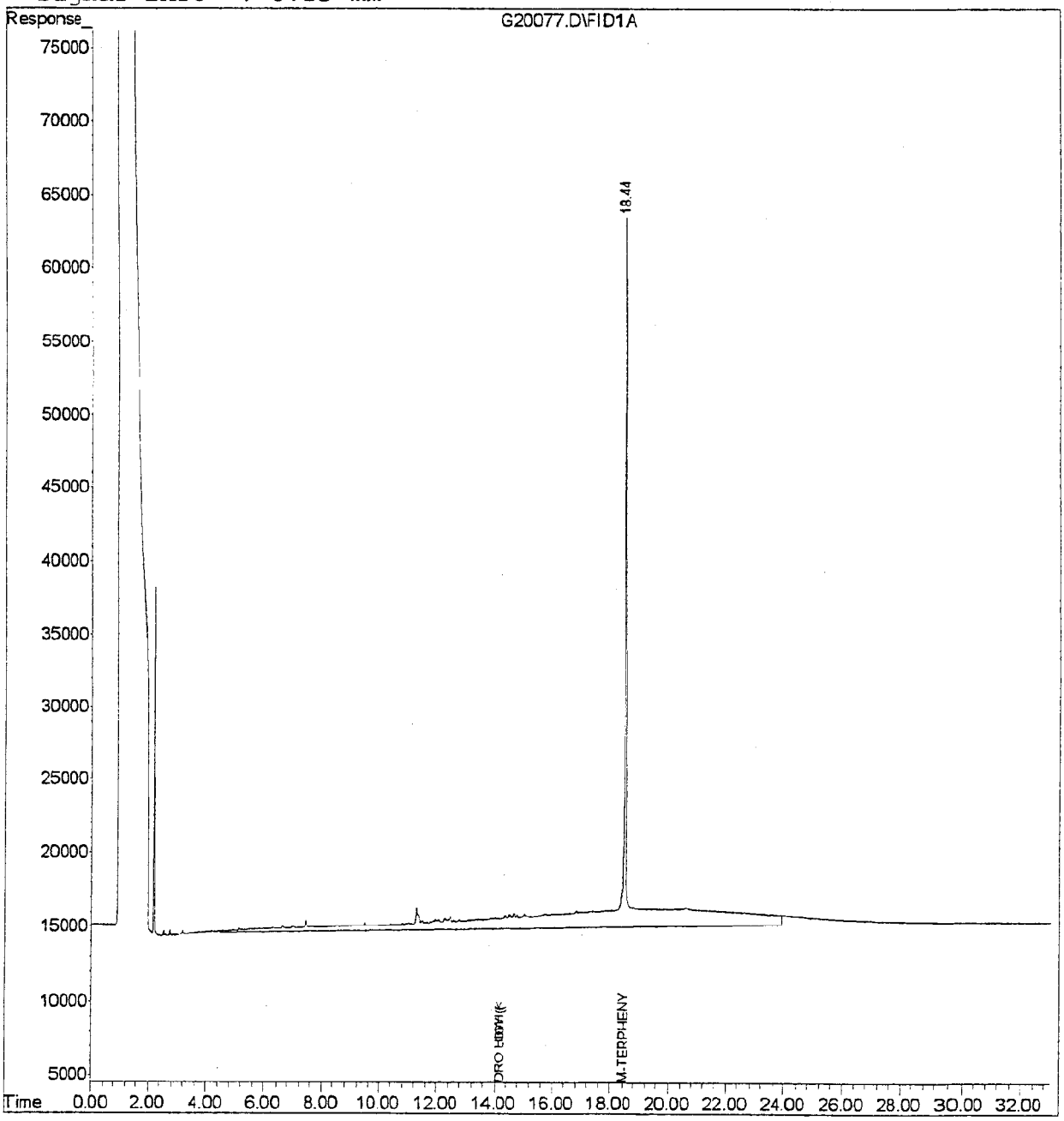
COMMENTS:

Authorized signature Melissa A Hall

Data File : D:\HPCHEM\2\DATA\042403-G\G20077.D Vial: 32
Acq On : 25 Apr 2003 9:00 am Operator: MT
Sample : 49442-14 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:02 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SW-1

SAMPLE DATA

Lab Sample ID: 49442-16
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**3**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**68**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	**10**	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99 %	d8-Toluene	99 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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8260 full

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April 25, 2003

SAMPLE DATA

Lab Sample ID: 49442-15
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SW-2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	3
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	102 %	d8-Toluene	99 %	Bromofluorobenzene	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-18A

SAMPLE DATA

Lab Sample ID: 49442-17
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100 %	d8-Toluene	98 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-18B

SAMPLE DATA

Lab Sample ID: 49442-18
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101 %	d8-Toluene	98 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Hall

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May 1, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-18B

Lab Sample ID: 49442-18
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Extraction Date: 04/23/03
Analysis Date: 04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	77	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

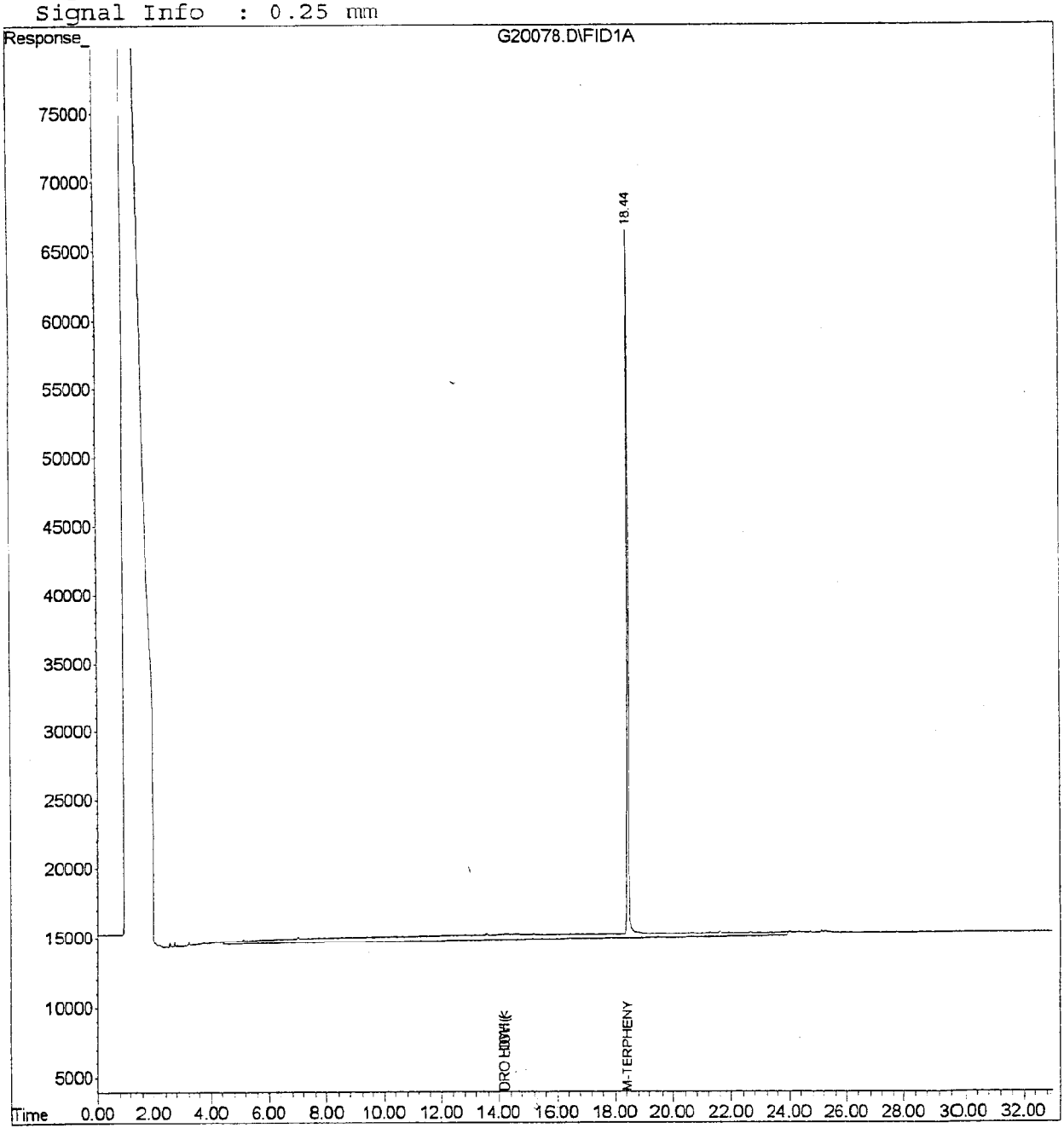
COMMENTS:

Authorized signature Melissa A Valli

Data File : D:\HPCHEM\2\DATA\042403-G\G20078.D Vial: 33
Acq On : 25 Apr 2003 9:39 am Operator: MT
Sample : 49442-18 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:02 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-16C

SAMPLE DATA

Lab Sample ID:	49442-19
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/18/03
Lab Receipt Date:	04/22/03
Analysis Date:	04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	**2**
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	**2**
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	**63**
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	7	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	102 %	d8-Toluene	99 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelli

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-16B

SAMPLE DATA

Lab Sample ID: 49442-20
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	2
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	1 J
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	34
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	2	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	110 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

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April 24, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-16A

Lab Sample ID: 49442-21
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	7
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100 %	d8-Toluene	101 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelli

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April 24, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SW-7

SAMPLE DATA

Lab Sample ID: 49442-22
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	2
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100 %	d8-Toluene	98 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

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Authorized signature

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April 25, 2003

SAMPLE DATA

Lab Sample ID: 49442-23
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 2.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-17B

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	4	U	1,3-Dichloropropane	4	U
Bromobenzene	4	U	cis-1,3-Dichloropropene	4	U
Bromochloromethane	4	U	trans-1,3-Dichloropropene	4	U
Bromodichloromethane	4	U	2,2-Dichloropropane	4	U
Bromoform	4	U	1,1-Dichloropropene	4	U
Bromomethane	4	U	Ethylbenzene	4	U
n-butylbenzene	4	U	Hexachlorobutadiene	4	U
sec-butylbenzene	4	U	Isopropylbenzene	4	U
tert-butylbenzene	4	U	p-isopropyltoluene	4	U
Carbon Tetrachloride	4	U	Methylene Chloride	10	U
Chlorobenzene	4	U	Methyl-tert-butyl ether	4	U
Chloroethane	4	U	Naphthalene	4	U
Chloroform	4	U	n-Propylbenzene	4	U
Chloromethane	4	U	Styrene	4	U
2-Chlorotoluene	4	U	1,1,1,2-Tetrachloroethane	4	U
4-Chlorotoluene	4	U	1,1,2,2-Tetrachloroethane	4	U
Dibromochloromethane	4	U	Tetrachloroethene	4	4
1,2-Dibromo-3-chloropropane	4	U	Toluene	4	U
1,2-Dibromoethane	4	U	1,2,3-Trichlorobenzene	4	U
Dibromomethane	4	U	1,2,4-Trichlorobenzene	4	U
1,2-Dichlorobenzene	4	U	1,1,1-Trichloroethane	4	4
1,3-Dichlorobenzene	4	U	1,1,2-Trichloroethane	4	U
1,4-Dichlorobenzene	4	U	Trichloroethene	4	93
Dichlorodifluoromethane	4	U	Trichlorofluoromethane	4	U
1,1-Dichloroethane	4	U	1,2,3-Trichloropropane	4	U
1,2-Dichloroethane	4	U	1,2,4-Trimethylbenzene	4	U
1,1-Dichloroethene	4	U	1,3,5-Trimethylbenzene	4	U
cis-1,2-Dichloroethene	4	14	Vinyl Chloride	4	U
trans-1,2-Dichloroethene	4	U	o-Xylene	4	U
1,2-Dichloropropane	4	U	m,p-Xylene	4	U
Acetone	20	U	Diethyl ether	4	U
Carbon Disulfide	4	U	2-Hexanone	20	U
Tetrahydrofuran	10	U	Methyl isobutyl ketone	20	U
Methyl ethyl ketone	20	U	Di-isopropyl ether (DIPE)	4	U
t-Butyl alcohol (TBA)	40	U	Ethyl t-butyl ether (ETBE)	4	U
t-Amyl methyl ether (TAME)	4	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane 103 % d8-Toluene 99 % Bromofluorobenzene 92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa Arlelli

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May 1, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-17B

SAMPLE DATA

Lab Sample ID:	49442-23
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/18/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

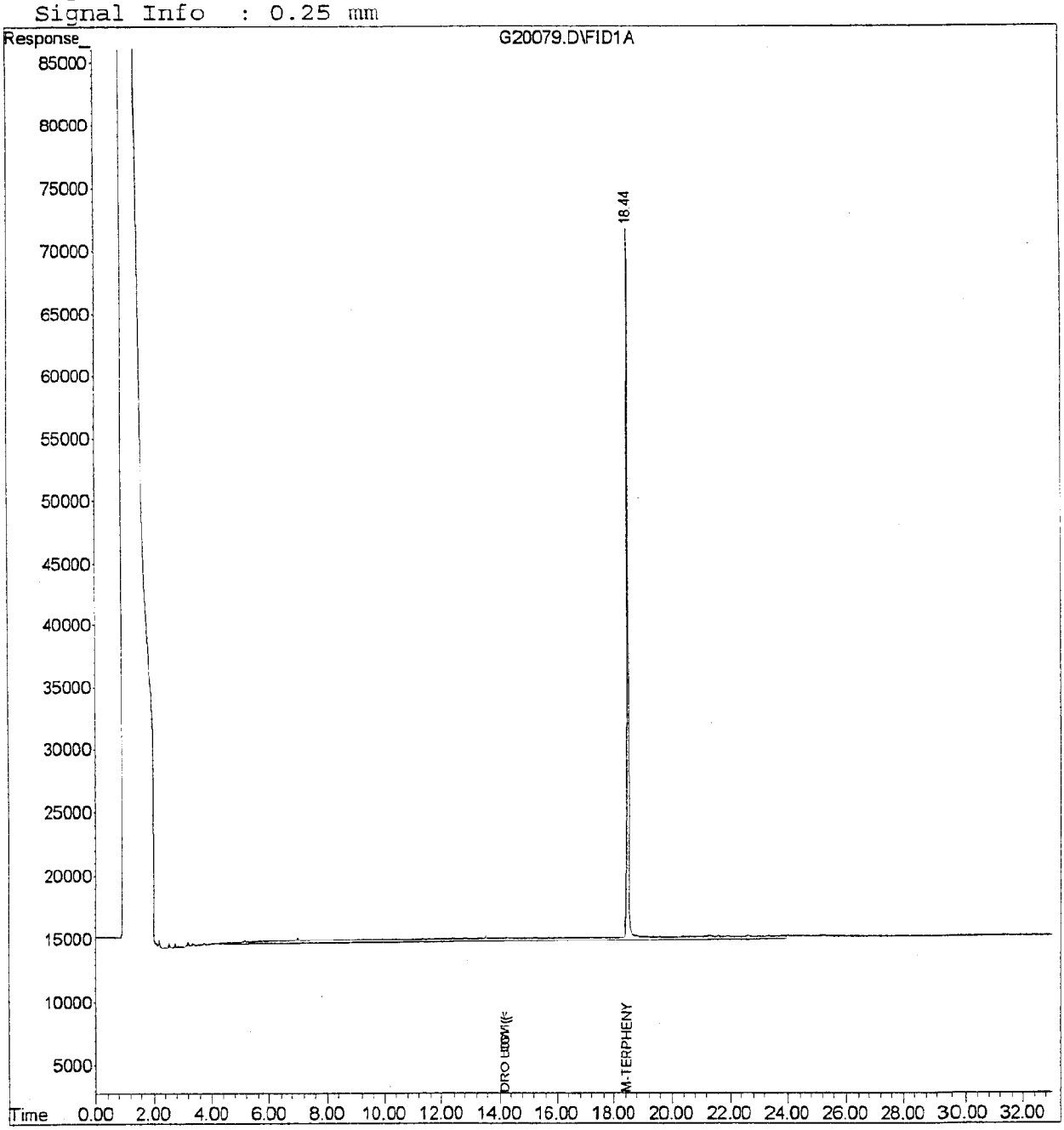
COMMENTS:

Authorized signature

Data File : D:\HPCHEM\2\DATA\042403-G\G20079.D Vial: 34
Acq On : 25 Apr 2003 10:19 am Operator: MT
Sample : 49442-23 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:03 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 24, 2003

SAMPLE DATA

Lab Sample ID: 49442-24
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/23/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-17A

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	21
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	3	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103 %	d8-Toluene	100 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

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May 2, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: MW-17A

SAMPLE DATA

Lab Sample ID:	49442-24
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/18/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	45 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: * Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

DRO Report

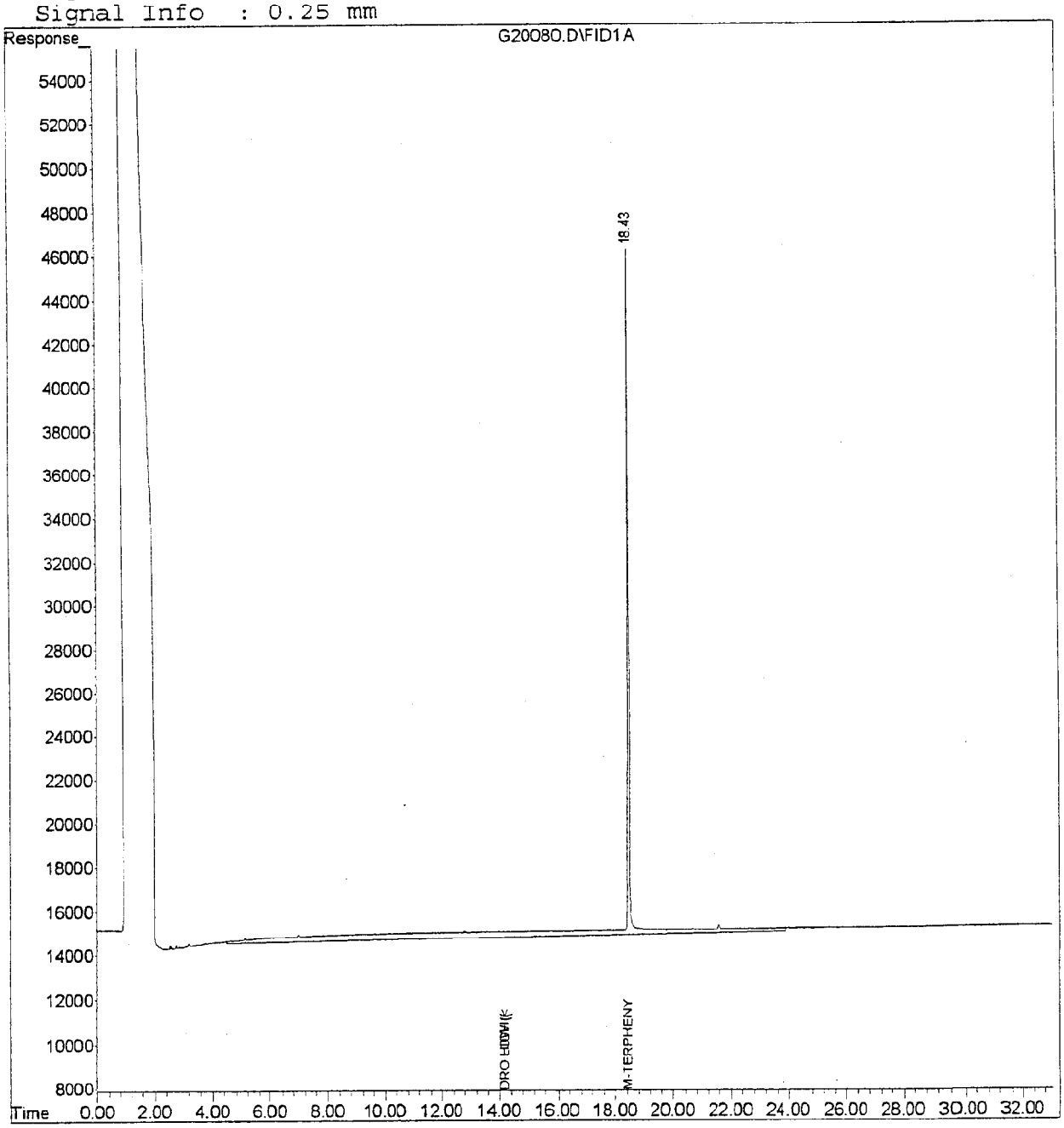
Authorized signature Melissa A. Kadis

Data File : D:\HPCHEM\2\DATA\042403-G\G20080.D
Acq On : 25 Apr 2003 10:58 am
Sample : 49442-24
Misc :
IntFile : AUTOINT1.E
Quant Time: Apr 30 8:14 2003 Quant Results File: D04223.RES

Vial: 35
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SW-DB

SAMPLE DATA

Lab Sample ID: 49442-25
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	99 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Sulli

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April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: WW WELL/HANCOCK

SAMPLE DATA

Lab Sample ID: 49442-26
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	110 %	d8-Toluene	101 %	Bromofluorobenzene	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

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May 1, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: WW WELL/HANCOCK

Lab Sample ID: 49442-26
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Extraction Date: 04/23/03
Analysis Date: 04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	93	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

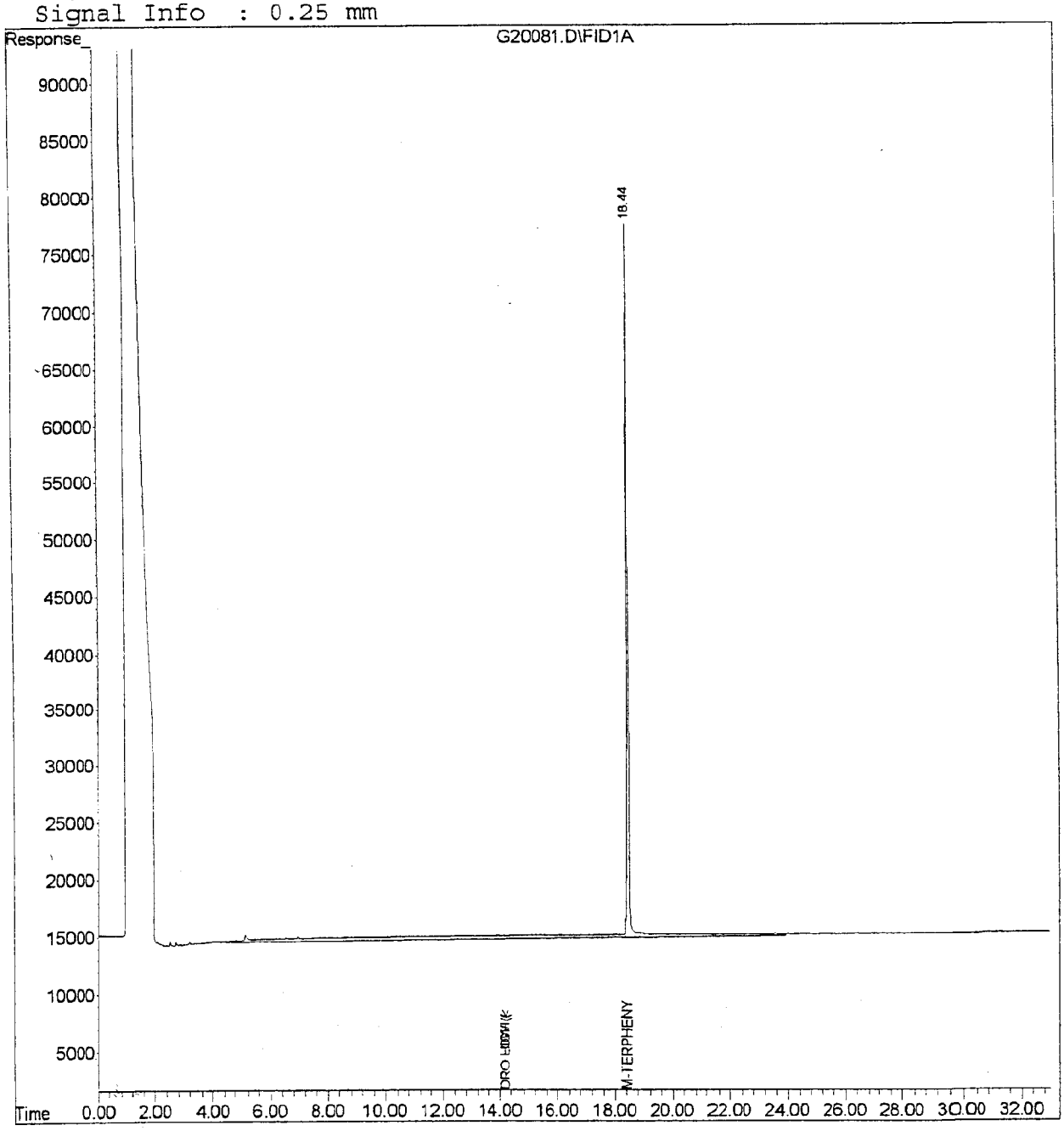
Authorized signature Malena A Hall

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\042403-G\G20081.D Vial: 36
Acq On : 25 Apr 2003 11:38 am Operator: MT
Sample : 49442-26 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:04 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 28, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: DW HANCOCK

SAMPLE DATA

Lab Sample ID: 49442-27
Matrix: Aqueous
Percent Solid: NA
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/25/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	0.5	U	1,3-Dichloropropane	0.5	U
Bromobenzene	0.5	U	cis-1,3-Dichloropropene	0.5	U
Bromochloromethane	0.5	U	trans-1,3-Dichloropropene	0.5	U
Bromodichloromethane	0.5	U	2,2-Dichloropropane	0.5	U
Bromoform	0.5	U	1,1-Dichloropropene	0.5	U
Bromomethane	0.5	U	Ethylbenzene	0.5	U
n-butylbenzene	0.5	U	Hexachlorobutadiene	0.5	U
sec-butylbenzene	0.5	U	Isopropylbenzene	0.5	U
tert-butylbenzene	0.5	U	p-isopropyltoluene	0.5	U
Carbon Tetrachloride	0.5	U	Methylene Chloride	0.5	U
Chlorobenzene	0.5	U	Methyl-tert-butyl ether	0.5	U
Chloroethane	0.5	U	Naphthalene	0.5	U
Chloroform	0.5	U	n-Propylbenzene	0.5	U
Chloromethane	0.5	U	Styrene	0.5	U
2-Chlorotoluene	0.5	U	1,1,1,2-Tetrachloroethane	0.5	U
4-Chlorotoluene	0.5	U	1,1,2,2-Tetrachloroethane	0.5	U
Dibromochloromethane	0.5	U	Tetrachloroethene	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	Toluene	0.5	U
1,2-Dibromoethane	0.5	U	1,2,3-Trichlorobenzene	0.5	U
Dibromomethane	0.5	U	1,2,4-Trichlorobenzene	0.5	U
1,2-Dichlorobenzene	0.5	U	1,1,1-Trichloroethane	0.5	U
1,3-Dichlorobenzene	0.5	U	1,1,2-Trichloroethane	0.5	U
1,4-Dichlorobenzene	0.5	U	Trichloroethene	0.5	0.38 J
Dichlorodifluoromethane	0.5	U	Trichlorofluoromethane	0.5	U
1,1-Dichloroethane	0.5	U	1,2,3-Trichloropropane	0.5	U
1,2-Dichloroethane	0.5	U	1,2,4-Trimethylbenzene	0.5	U
1,1-Dichloroethene	0.5	U	1,3,5-Trimethylbenzene	0.5	U
cis-1,2-Dichloroethene	0.5	U	Vinyl Chloride	0.5	U
trans-1,2-Dichloroethene	0.5	U	o-Xylene	0.5	U
1,2-Dichloropropane	0.5	U	m,p-Xylene	0.5	U
Acetone	5	U	Diethyl ether	0.5	U
Carbon Disulfide	0.5	U	2-Hexanone	5	U
Tetrahydrofuran	2.5	U	Methyl isobutyl ketone	5	U
Methyl ethyl ketone	5	U	Di-isopropyl ether (DIPE)	0.5	U
t-Butyl alcohol (TBA)	10	U	Ethyl t-butyl ether (ETBE)	0.5	U
t-Amyl methyl ether (TAME)	0.5	U			

Surrogate Standard Recovery

1,4-Difluorobenzene	94 %	Bromofluorobenzene	84 %	1,2-Dichlorobenzene-d4	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to EPA 600, Method 524.2

COMMENTS:

NH 524 full

Authorized signature Melena A Kelli

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May 1, 2003

SAMPLE DATA

Lab Sample ID: 49442-27
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Extraction Date: 04/23/03
Analysis Date: 04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: DW HANCOCK

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	94	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

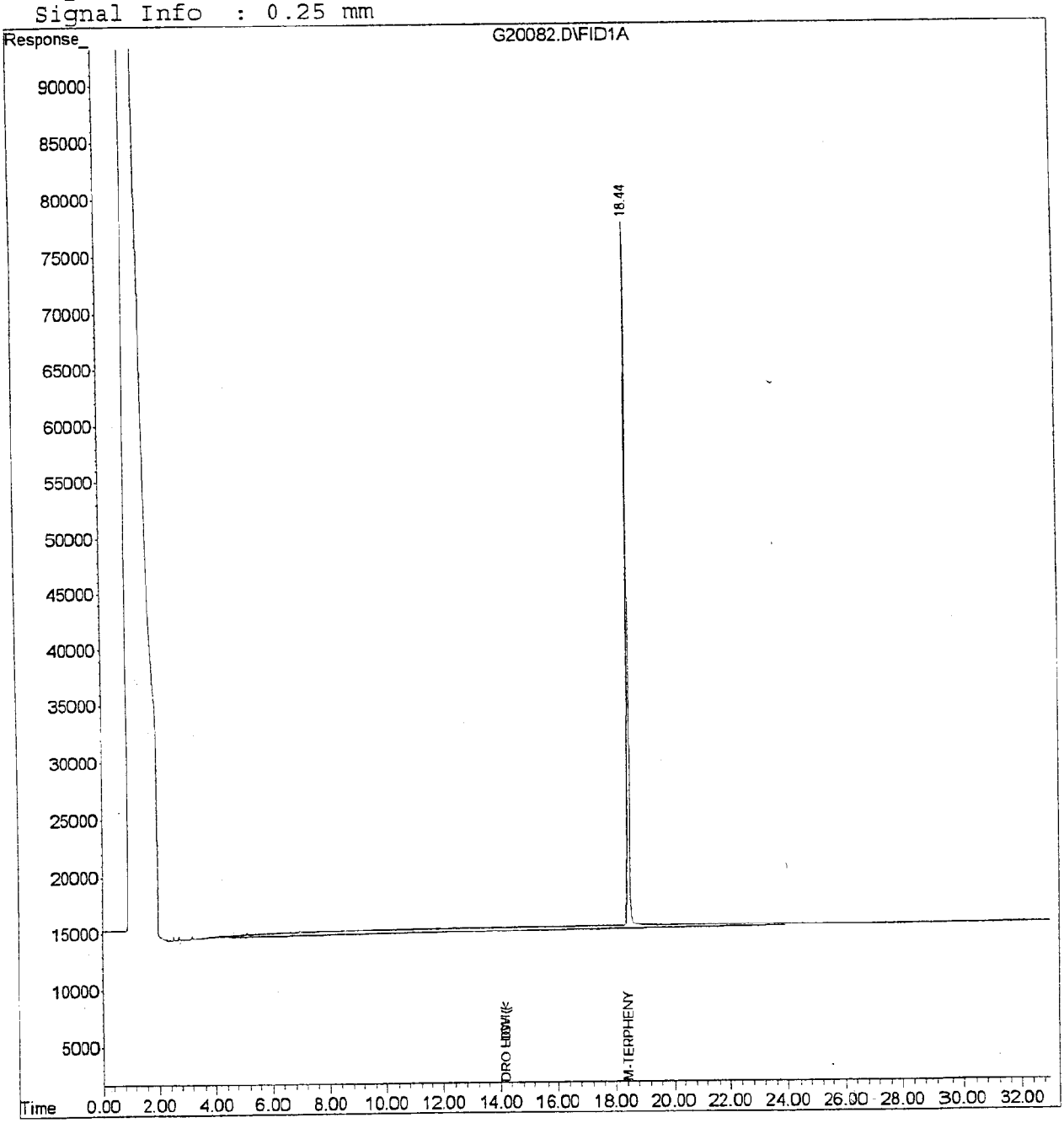
Authorized signature

Data File : D:\HPCHEM\2\DATA\042403-G\G20082.D
Acq On : 25 Apr 2003 12:17 pm
Sample : 49442-27
Misc :
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:05 2003 Quant Results File: D04223.RES

Vial: 37
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 28, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: BB WELL/HANCOCK

SAMPLE DATA

Lab Sample ID: 49442-28
Matrix: Aqueous
Percent Solid: NA
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/25/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	0.5	U	1,3-Dichloropropane	0.5	U
Bromobenzene	0.5	U	cis-1,3-Dichloropropene	0.5	U
Bromochloromethane	0.5	U	trans-1,3-Dichloropropene	0.5	U
Bromodichloromethane	0.5	U	2,2-Dichloropropane	0.5	U
Bromoform	0.5	U	1,1-Dichloropropene	0.5	U
Bromomethane	0.5	U	Ethylbenzene	0.5	U
n-butylbenzene	0.5	U	Hexachlorobutadiene	0.5	U
sec-butylbenzene	0.5	U	Isopropylbenzene	0.5	U
tert-butylbenzene	0.5	U	p-isopropyltoluene	0.5	U
Carbon Tetrachloride	0.5	U	Methylene Chloride	0.5	U
Chlorobenzene	0.5	U	Methyl-tert-butyl ether	0.5	U
Chloroethane	0.5	U	Naphthalene	0.5	U
Chloroform	0.5	U	n-Propylbenzene	0.5	U
Chloromethane	0.5	U	Styrene	0.5	U
2-Chlorotoluene	0.5	U	1,1,1,2-Tetrachloroethane	0.5	U
4-Chlorotoluene	0.5	U	1,1,2,2-Tetrachloroethane	0.5	U
Dibromochloromethane	0.5	U	Tetrachloroethene	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	Toluene	0.5	U
1,2-Dibromoethane	0.5	U	1,2,3-Trichlorobenzene	0.5	U
Dibromomethane	0.5	U	1,2,4-Trichlorobenzene	0.5	U
1,2-Dichlorobenzene	0.5	U	1,1,1-Trichloroethane	0.5	U
1,3-Dichlorobenzene	0.5	U	1,1,2-Trichloroethane	0.5	U
1,4-Dichlorobenzene	0.5	U	Trichloroethene	0.5	U
Dichlorodifluoromethane	0.5	U	Trichlorofluoromethane	0.5	U
1,1-Dichloroethane	0.5	U	1,2,3-Trichloropropane	0.5	U
1,2-Dichloroethane	0.5	U	1,2,4-Trimethylbenzene	0.5	U
1,1-Dichloroethene	0.5	U	1,3,5-Trimethylbenzene	0.5	U
cis-1,2-Dichloroethene	0.5	U	Vinyl Chloride	0.5	U
trans-1,2-Dichloroethene	0.5	U	o-Xylene	0.5	U
1,2-Dichloropropane	0.5	U	m,p-Xylene	0.5	U
Acetone	5	U	Diethyl ether	0.5	U
Carbon Disulfide	0.5	U	2-Hexanone	5	U
Tetrahydrofuran	2.5	U	Methyl isobutyl ketone	5	U
Methyl ethyl ketone	5	U	Di-isopropyl ether (DIPE)	0.5	U
t-Butyl alcohol (TBA)	10	U	Ethyl t-butyl ether (ETBE)	0.5	U
t-Amyl methyl ether (TAME)	0.5	U			

Surrogate Standard Recovery

1,4-Difluorobenzene	99 %	Bromofluorobenzene	83 %	1,2-Dichlorobenzene-d4	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to EPA 600, Method 524.2

COMMENTS:

NH 524 full

Authorized signature

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May 1, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: BB WELL/HANCOCK

SAMPLE DATA

Lab Sample ID:	49442-28
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/17/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

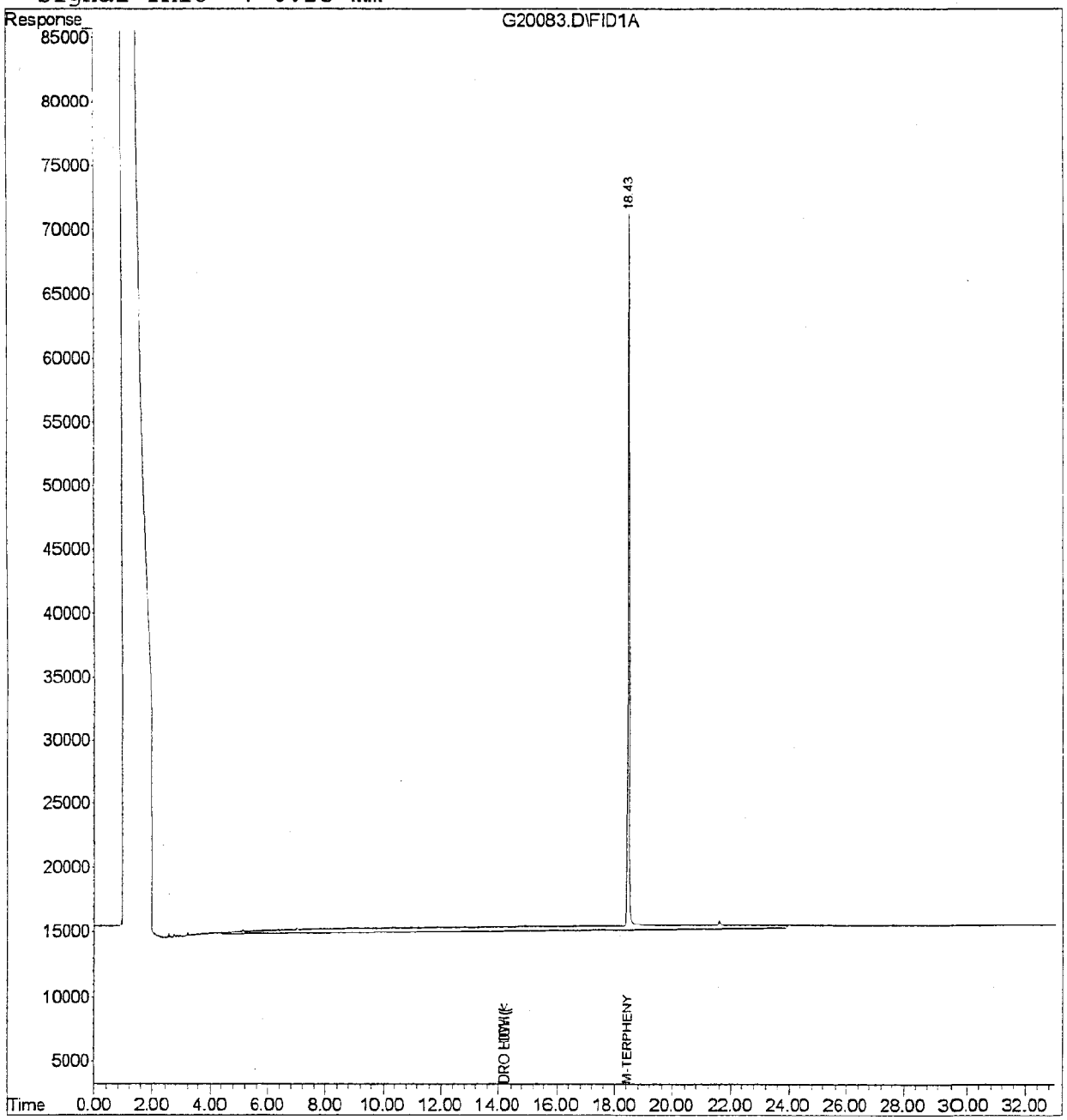
COMMENTS:

Authorized signature

Data File : D:\HPCHEM\2\DATA\042403-G\G20083.D Vial: 38
Acq On : 25 Apr 2003 12:57 pm Operator: MT
Sample : 49442-28 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:05 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: PW WELL/HANCOCK

SAMPLE DATA

Lab Sample ID: 49442-29
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	102 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 1, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: PW WELL/HANCOCK

Lab Sample ID: 49442-29
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Extraction Date: 04/23/03
Analysis Date: 04/25/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

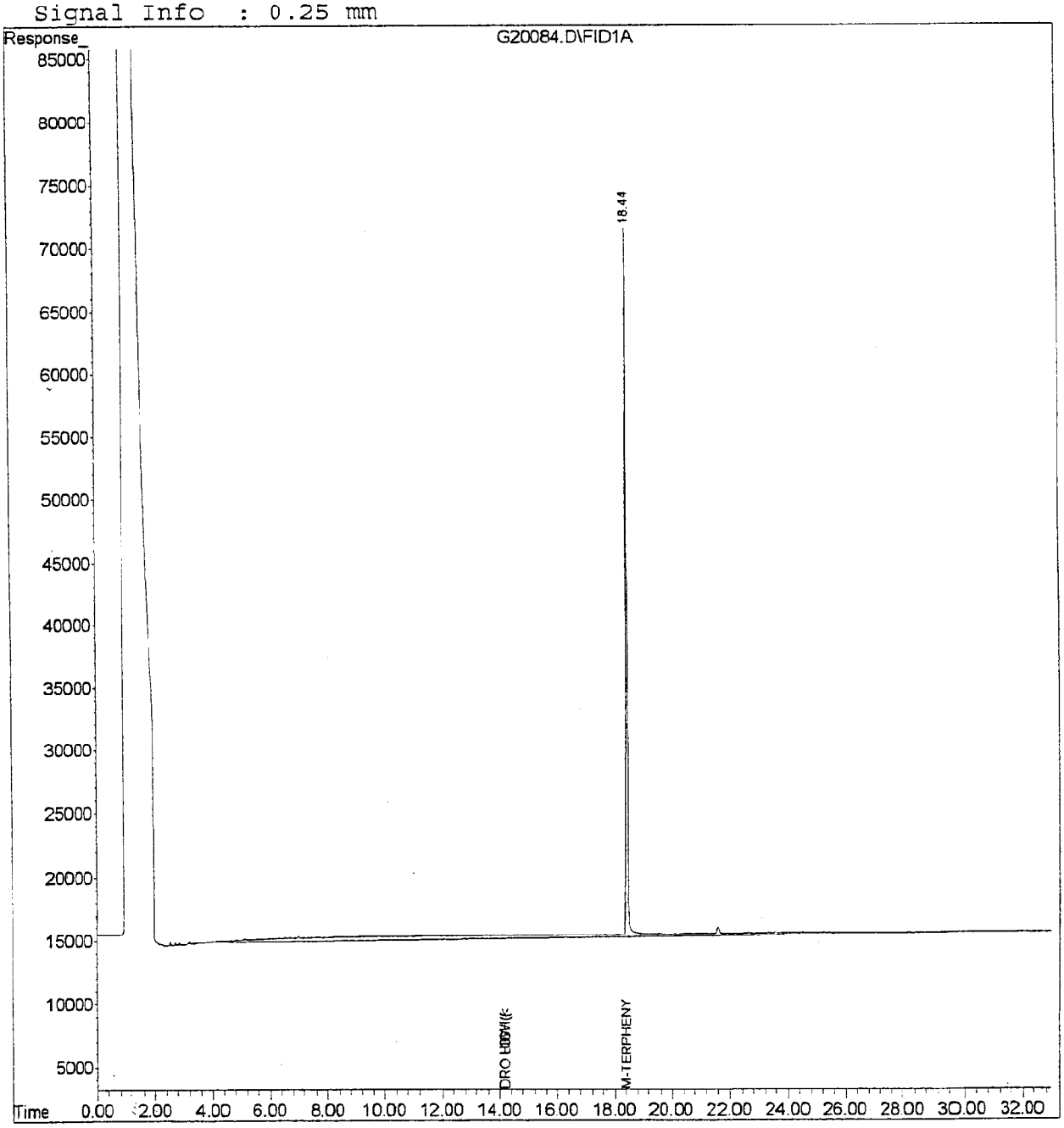
COMMENTS:

Authorized signature Melissa A Hall

Data File : D:\HPCHEM\2\DATA\042403-G\G20084.D Vial: 39
Acq On : 25 Apr 2003 1:36 pm Operator: MT
Sample : 49442-29 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:06 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Yarmouth, ME 04096-1107

April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: TB-2Q03

SAMPLE DATA

Lab Sample ID: 49442-30
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	7	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	102 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature Melissa A Kelli

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PO Box 1107
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May 2, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SED-1A-03

Lab Sample ID:	49442-31
Matrix:	Solid
Percent Solid:	12
Dilution Factor:	12
Collection Date:	04/18/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/24/03
Analysis Date:	05/01/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
261	mg/kg	60

Surrogate Standard Recovery

m-Terphenyl	85	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

Authorized signature

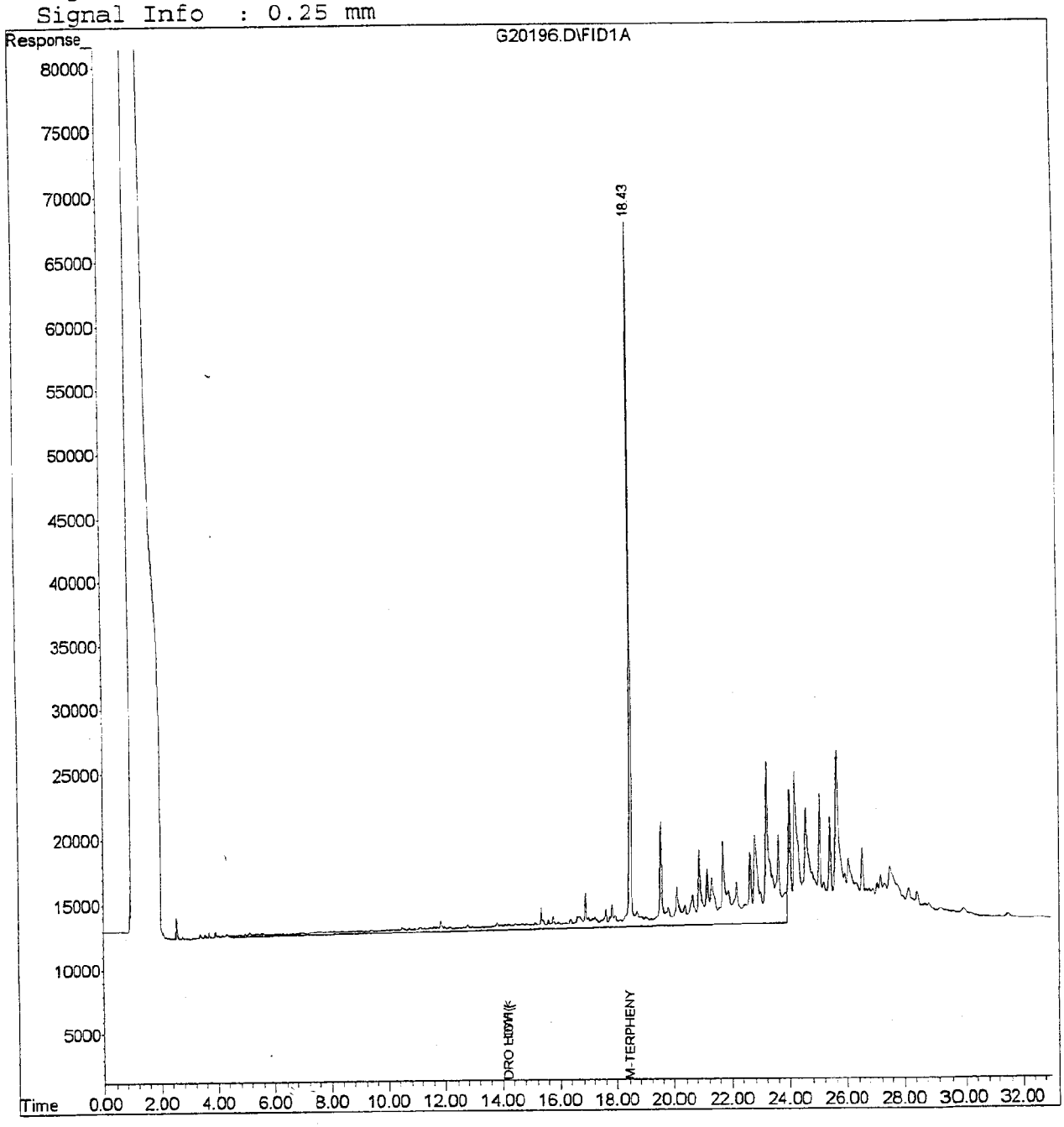
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\043003-G\G20196.D
Acq On : 1 May 2003 2:26 pm
Sample : 49442-31
Misc :
IntFile : AUTOINT1.E
Quant Time: May 2 8:24 2003 Quant Results File: D04223.RES

Vial: 37
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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April 28, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SED-1A-03

SAMPLE DATA

Lab Sample ID: 49442-31 RX
Matrix: Solid
Percent Solid: 12
Dilution Factor: 14
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Extraction Date: 04/25/03
Analysis Date: 04/25/03

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	210	U
PCB-1221	210	U
PCB-1232	210	U
PCB-1242	210	U
PCB-1248	210	U
PCB-1254	210	U
PCB-1260	210	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	79	%
Decachlorobiphenyl	82	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545. Results are expressed on a dry weight basis.

PCB Report

Authorized signature Milena A Kelli

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May 2, 2003

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SED-2A-03

Lab Sample ID: 49442-32
Matrix: Solid
Percent Solid: 25
Dilution Factor: 335
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/28/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	340	U	1,3-Dichloropropane	340	U
Bromobenzene	340	U	cis-1,3-Dichloropropene	340	U
Bromochloromethane	340	U	trans-1,3-Dichloropropene	340	U
Bromodichloromethane	250	U	2,2-Dichloropropane	340	U
Bromoform	250	U	1,1-Dichloropropene	340	U
Bromomethane	340	U	Ethylbenzene	340	U
n-butylbenzene	340	U	Hexachlorobutadiene	340	U
sec-butylbenzene	340	U	Isopropylbenzene	340	U
tert-butylbenzene	340	U	p-isopropyltoluene	340	U
Carbon Tetrachloride	340	U	Methylene Chloride	1700	U
Chlorobenzene	340	U	Methyl-tert-butyl ether	340	U
Chloroethane	340	U	Naphthalene	340	U
Chloroform	250	U	n-Propylbenzene	340	U
Chloromethane	340	U	Styrene	340	U
2-Chlorotoluene	340	U	1,1,1,2-Tetrachloroethane	340	U
4-Chlorotoluene	340	U	1,1,2,2-Tetrachloroethane	250	U
Dibromochloromethane	250	U	Tetrachloroethene	340	U
1,2-Dibromo-3-chloropropane	340	U	Toluene	340	U
1,2-Dibromoethane	250	U	1,2,3-Trichlorobenzene	340	U
Dibromomethane	340	U	1,2,4-Trichlorobenzene	340	U
1,2-Dichlorobenzene	340	U	1,1,1-Trichloroethane	340	U
1,3-Dichlorobenzene	340	U	1,1,2-Trichloroethane	250	U
1,4-Dichlorobenzene	340	U	Trichloroethene	340	U
Dichlorodifluoromethane	340	U	Trichlorofluoromethane	340	U
1,1-Dichloroethane	340	U	1,2,3-Trichloropropane	340	U
1,2-Dichloroethane	250	U	1,2,4-Trimethylbenzene	340	U
1,1-Dichloroethene	250	U	1,3,5-Trimethylbenzene	340	U
cis-1,2-Dichloroethene	340	U	Vinyl Chloride	340	U
trans-1,2-Dichloroethene	340	U	o-Xylene	340	U
1,2-Dichloropropane	250	U	m,p-Xylene	340	U
Acetone	3400	U	Diethyl ether	340	U
Carbon Disulfide	340	U	2-Hexanone	3400	U
Tetrahydrofuran	1700	U	Methyl isobutyl ketone	3400	U
Methyl ethyl ketone	3400	U	Di-isopropyl ether (DIPE)	340	U
t-Butyl alcohol (TBA)	6700	U	Ethyl t-butyl ether (ETBE)	340	U
t-Amyl methyl ether (TAME)	340	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	39 * %	d8-Toluene	30 * %	Bromofluorobenzene	27 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. *Surrogate recovery outside laboratory acceptance criteria due to moisture content.
Sample was reanalyzed to confirm results.
Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature

analytics environmental laboratory LLC

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

May 2, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SED-2A-03

SAMPLE DATA

Lab Sample ID:	49442-32
Matrix:	Solid
Percent Solid:	25
Dilution Factor:	6
Collection Date:	04/18/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/24/03
Analysis Date:	05/01/03

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
191	mg/kg	30

Surrogate Standard Recovery

m-Terphenyl	87 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS: Results are expressed on a dry weight basis. Chromatogram contains peaks which elute after the DRO window.

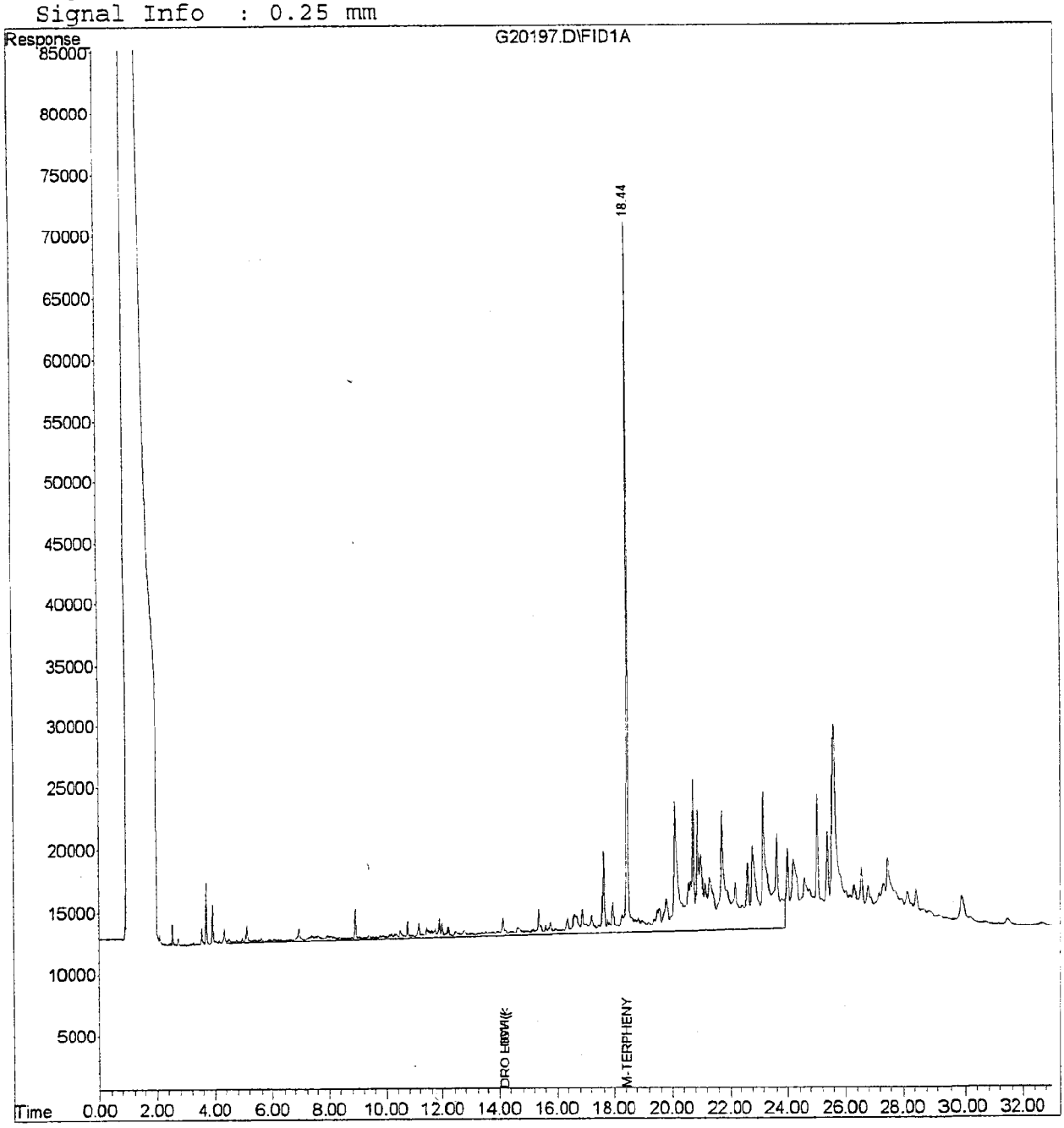
Authorized signature Melissa A Kull

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\043003-G\G20197.D Vial: 38
Acq On : 1 May 2003 3:05 pm Operator: MT
Sample : 49442-32 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: May 2 8:26 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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PO Box 1107
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April 28, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: SED-2A-03

SAMPLE DATA

Lab Sample ID:	49442-32 RX
Matrix:	Solid
Percent Solid:	25
Dilution Factor:	7
Collection Date:	04/18/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/25/03
Analysis Date:	04/25/03

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	110	U
PCB-1221	110	U
PCB-1232	110	U
PCB-1242	110	U
PCB-1248	110	U
PCB-1254	110	U
PCB-1260	110	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	61	%
Decachlorobiphenyl	49*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis. *Surrogate recovery outside control limits. Secondary surrogate is in control.

PCB Report

Authorized signature

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April 28, 2003

SAMPLE DATA

Lab Sample ID: 49442-33
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 04/18/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: TRIP BLANK

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether	100	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	94 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRH054.03 (PBWO #107) | SAMPLER NAME

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☒ Standard 5/5
☐ Priority (SURCHARGE)
Quote # Casco

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: VOC 8260B	ANALYSES: D.R.O.	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
MW-10B	3	VOA vial		X	GW	X		HCl/4°C	4/17/03	1037	X		49442-1
MW-10A										1050	X		-2
MW-11A										1130	X		-3
MW-12A										1207	X		-4
MW-6	3/1	VOA/G								1235	X	X	-5
MW-14B	3	VOA								1346	X		-6
MW-15B										1420	X		-7
SW-4R										1405	X		-8
MW-13Y										1540	X		-9
DUP-2-04-03										1405	X		-10
MW-13Z	4	VOA vial								1510	X		-11
MW-13A	3									1556	X		-12

Received within hold time ☑ yes ☐ no ☐ N/A | Chain of Custody seal ☐ yes ☐ no

Received in good condition ☑ yes ☐ no ☐ N/A

Temp. Blank °C 2°C /Frozen ice packs ☐ N/A

Samples received preserved ☑ yes ☐ no ☐ N/A

Vamb 4.22.03

COMMENTS: pH for all DROs = 1.5 JR 4/22/03

	DATE	TIME	
RELINQUISHED BY SAMPLER:			RECEIVED BY:
RELINQUISHED BY:	DATE 4.22.03	TIME 0930	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRH054.03 (PBWO #107) | SAMPLER NAME

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☒ Standard 5/5
☐ Priority (SURCHARGE)

Quote # Casco

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	VOC 8260B	P.A.D.	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
DUP-1-04-03	3	VOA vial		X	GW	X		HCl/4°C	4/17/03	1556	X		49442-13
MW-13B	4/1	VOA/G								1627	X	X	-14
SW-2	3	VOA vial								1640	X		-15
SW-1	3									1650	X		-16
MW-18A	3								4/18/03	1024	X		-17
MW-18B	3/1	VOA/G								1030	X	X	-18
MW-16C	3	VOA vial								1150	X		-19
MW-16B	3									1315	X		-20
MW-16A	3									1245	X		-21
SW-7	3									1222	X		-22
MW-17B	3/1	VOA/G								1355	X	X	-23
MW-17A	3/1									1416	X	X	-24

Received within hold time ☒ yes ☐ no ☐ N/A | Chain of Custody seal ☐ yes ☐ no

Received in good condition ☑ yes ☐ no ☐ N/A

Temp. Blank °C 2°C /Frozen ice packs ☐ N/A

Samples received preserved ☑ yes ☐ no ☐ N/A Vamb 4.22.03

COMMENTS: pH for all DROs = 1.5 JB 4/23/03

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY:	4/22/03	0930
RELINQUISHED BY:		

RECEIVED BY:

RECEIVED BY:

RECEIVED BY LABORATORY:

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: M. Reynolds | TELEPHONE | FAX # / E-MAIL

COMPANY | PURCHASE ORDER # / BILL TO

ADDRESS

PROJECT NAME: DRL054.03 (PBW0#107) | SAMPLER NAME

LABORATORY REPORT #

Delivered by

TURNAROUND REQUEST
☒ Standard 5/5
☐ Priority (SURCHARGE)

Quote # Casco

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	VOC 8260	P.R.O.	VOCS24.2	PCB	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SW-DB	3	VOA vial		X	Water	X		HCl/4°C	4/18/03	1440	X				49442-25
WW Well/Hancock	2/1	VOA/G							4/17/03	1053	X	X			-26
DW Hancock	↓	↓							↓	1125		X	X		-27
BB Well/Hancock												X	X		-28
PW Well/Hancock	↓	↓									X	X			-29
TB-2Q03	2	VOA vial		↓	↓	↓		↓	↓		X				-30
SED-1A-03	3	VOA vial		X	Sediment		X	MeOH/4°C	4/18/03	1500	X				~~-30~~ -31
↓	1	G		X	↓		X	4°C	↓	↓		X		X	
SED-2A-03 (mm 03 B1)	3	VOA vial		X			X	MeOH/4°C	4/18/03	1520	X				-31 -32
	1	G		X	↓		X	4°C	↓	↓		X		X	
Trip Blank	1	VOA vial		X	MeOH			4°C			X				~~-32~~ -33

Received within hold time ☑ yes ☐ no ☐ N/A | Chain of Custody seal ☐ yes ☐ no

Received in good condition ☑ yes ☐ no ☐ N/A

Temp. Blank °C 2°C /Frozen ice packs ☐ N/A

Samples received preserved ☑ yes ☐ no ☐ N/A Vamb 4.22.03

COMMENTS JB 4/22/03

pH for all DROs = 1.5 JB 4/22/03

* MEOH Sample 49442-31-C has low MEOH/soil ratio=.61 JB 4/22/03

	DATE	TIME
RELINQUISHED BY SAMPLER:		
RELINQUISHED BY:	4/22/03	0930
RELINQUISHED BY:		

RECEIVED BY:

RECEIVED BY:

RECEIVED BY LABORATORY:

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

M. Reynolds
Drumlin Environmental LLC
PO Box 392
Portland, Maine 04112-0392

May 06, 2003

Report No.: DRU054-03

Enclosed are the results of the analyses requested on your samples as received by the laboratory. Samples were received in acceptable condition and analyzed within method holding times with all quality control data within laboratory acceptance limits unless noted below. Reporting detection limits are the minimum levels for reporting quantitative data. These limits are 3.18 times the method detection limit as defined in CFR 40 Part 136, Appendix B. Data reported between the reporting and method detection limits are J flagged as estimated. Maine Environmental Laboratory is certified by Maine, Massachusetts, New Hamphire and NELAP (cert.#2031). A list of certified parameters is available on request. This report shall not be reproduced, except in full, without the written consent of the laboratory.

Sample Identification	Laboratory ID	Comments
MW-10B	DRU05403-01	
MW-13A	DRU05403-02	
MW-13B	DRU05403-03	
SW-1	DRU05403-04	
SED-1A-03	DRU05403-05	
SED-2A-03	DRU05403-06	

References

EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.

SW8 - SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition, 1986.

STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.

CLP - USEPA CLP Statement of Work for Inorganics, ILMO3.0.

AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature

Herbert S. Kodis, laboratory director

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

M. Reynolds
Drumlin Environmental LLC
PO Box 392
Portland, Maine 04112-0392

May 06, 2003

Report No: DRU054-03
Date received: 04/18/03
Project ID: PBWO #107

Sampler: MDR
Sample matrix: Groundwater
Method: 7421/3020A
Reference: SW8

Total Lead

Sample Identification	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Date Sampled	Laboratory Id
MW-10B	ND	mg/L	05/01/03	0.002	0.006	04/17/03	DRU05403-01
MW-13A	ND	mg/L	05/01/03	0.002	0.006	04/17/03	DRU05403-02
MW-13B	ND	mg/L	05/01/03	0.002	0.006	04/17/03	DRU05403-03
SW-1	ND	mg/L	05/01/03	0.002	0.006	04/17/03	DRU05403-04

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

M. Reynolds
Drumlin Environmental LLC
PO Box 392
Portland, Maine 04112-0392

May 06, 2003

Report No:	DRU054-03	Sampler:	MDR
Date received:	04/18/03	Sampling date:	04/18/03
Project ID:	PBWO #107	Sample matrix:	Sediment
Laboratory ID:	DRU05403-05	Sample ID:	SED-1A-03

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Lead, total	ND	mg/kg	04/25/03	46	7420/3050B	SW8
Total Solids	13.17	%	04/22/03	0.01	CLP 4F	CLP

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

M. Reynolds
Drumlin Environmental LLC
PO Box 392
Portland, Maine 04112-0392

May 06, 2003

Report No:	DRU054-03	Sampler:	MDR
Date received:	04/18/03	Sampling date:	04/18/03
Project ID:	PBWO #107	Sample matrix:	Sediment
Laboratory ID:	DRU05403-06	Sample ID:	SED-2A-03

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Lead, total	ND	mg/kg	04/25/03	28	7420/3050B	SW8
Total Solids	21.29	%	04/22/03	0.01	CLP 4F	CLP

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

LABORATORY REPORT # DRU054.03

PROJECT MANAGER: Matt Reynolds | TELEPHONE: 771-5546 | FAX # / E-MAIL: 771-5547

COMPANY: Drummond Environmental | PURCHASE ORDER # / BILL TO:

ADDRESS: Same

PROJECT NAME: | SAMPLER NAME:

Delivered by: M. Reynolds

TURNAROUND REQUEST: [X] Standard [ ] Priority (SURCHARGE)

Quote #:

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: VOC 8260	MEDRO	PCB	Pb		VOC's 524.2					LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SW - DB	3	40Z		X	water	X		HCL	4/18/03	1440	X										
WW Well/Hancock	3								4/17/03	1053	X	X									
DW Hancock	3									1125		X				X					~~DRU05403-05~~
BB Well/Hancock	3											X				X					MM 4.18.03 ~~-06~~
PW Well/Hancock	3										X	X									
TB-2Q03	~~3~~ 2	MM 4-18-03							4/17/03		X										
SED-1A-03	5	GL		X	SED	X	X	MeOH + 4°C	4/18/03	1500	X	X	X	X							DRU05403-05
SED-2A-03	3	"		X	"	"	X	"	"	1520	X	X	X	X							↓ -06
Trip Blank	1			X	MeOH						X										

Received within hold time: [X] yes [ ] no [ ] N/A | Chain of Custody seal: [ ] yes [ ] no

Received in good condition: [X] yes [ ] no [ ] N/A

Temp. Blank °C _____ / Frozen ice packs [ ] N/A

Samples received preserved: [X] yes [ ] no [ ] N/A

COMMENTS

	DATE	TIME	
RELINQUISHED BY SAMPLER:	4/18/03	1730	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE 4-18-03	TIME 1730	RECEIVED BY LABORATORY: Martha A. Mixon

COC-02

APPENDIX E

REMOVAL ACTION REPORT COMPONENTS

EER Environmental Engineering & Remediation, Inc.

222 St. John Street, Suite 314 , Portland, Maine 04102
Tel 207/828-1272 Fax 207/774-6907
www.eerinc.com

December 17, 2003

Ms. Kathy Niziolek
Maine Department of Environmental Protection
Division of Remediation
Bureau of Remediation and Waste Management
17 State House Station
Augusta, Maine 04333

Subject: **Final Report**
Portland/Bangor Waste Oil Facility
Tenney Hill Road, Casco, Maine

Dear Ms. Niziolek:

Enclosed is the final report for the Portland/Bangor Waste Oil site located on Tenney Hill Road in Casco, Maine. This final report addresses your comments received December 10, 2003. Please replace the text portion of the previously submitted report. We have also enclosed "Figures" and "Tables" tabs to be inserted into the portion of the report you have already received from us, dated November 6, 2003.

Please do not hesitate to contact us at (207) 828-1272 if we can provide clarification or additional information regarding this report.

Very truly,

ENVIRONMENTAL ENGINEERING & REMEDIATION, INC.

Randee A. McDonald
Environmental Scientist

Stephen Dyer, P.E.
Project Manager

cc: Marianne Guerin, Guerin Project Manager

Final Report
Portland Bangor Waste Oil Facility
Casco, Maine

Submitted to:

Maine Department of Environmental Protection
Division of Remediation
Bureau of Remediation and Waste Management
17 State House Station
Augusta, Maine 04333

December 17, 2003

GUERIN

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P.O. Box 498
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WWW.EERINC.COM

December 17, 2003

Ms. Kathy Niziolek
Maine Department of Environmental Protection
Division of Remediation
Bureau of Remediation and Waste Management
17 State House Station
Augusta, Maine 04333

Subject: **Final Report**
Portland/Bangor Waste Oil Facility
Tenney Hill Road, Casco, Maine

Dear Ms. Niziolek:

Guerin Associates, LLC (Guerin), under contract to the Maine Department of Environmental Protection (MDEP), completed a soil removal operation at the Portland/Bangor Waste Oil Facility located on Tenney Hill Road in Casco, Maine. Environmental Engineering and Remediation, Inc. (EER) served as a subcontractor to Guerin to assist with the soil removal action. The following report, prepared by EER, presents a project summary, describes the project background, discusses the two soil removal phases of the project, and presents sample results and relevant site figures.

Project Summary

Guerin and EER submitted a Project Plan and a Removal Action Plan (both dated October 9, 2002) to the MDEP. The MDEP approved both documents. The original scope of the Casco soil removal project, as developed by the MDEP, included the removal of an estimated 2,700 cubic yards of impacted soil.

Previous investigations at the Casco site overseen by the MDEP identified two discrete areas of soil ("Source Area A" and "Source Area B") impacted with waste oil and other waste liquids including chlorinated volatile organic compounds (VOCs). The original MDEP scope of work entailed the disposal of the removed soil as hazardous waste. As such Guerin contracted with Stablex Canada, Inc. (Stablex) for its disposal. The analytical results showed that the material would be acceptable to Stablex.

A memo dated August 2, 2002 from Mr. Scott Whittier, Director of the Office of Hazardous Waste Facilities Regulation, to Mr. Hank Aho of the Uncontrolled Sites Program,

states that the material removed from the Casco site is not subject to RCRA, the Land Disposal Requirements, or the state's hazardous waste management rules. A copy of this memo is further discussed in the Project Memos section of this report.

As the project progressed, Pine Tree Landfill (Pine Tree) in Hampden, Maine was found to be able to accept soil with the observed concentrations of contaminants as long as total volatiles did not exceed their licensed limit. Pine Tree and Stablex were ultimately used as the soil disposal locations for the Casco soils. Soil removal activities took place in the fall of 2002 and in the summer of 2003. Unless otherwise dictated by the presence of VOCs or total lead at elevated concentrations (100 mg/kg or 50 mg/kg, respectively), soil removed from the Casco site was stockpiled for transport to Pine Tree by default. The site decision tree originally established in April 2003 for soil removal operations at the Casco site is shown in Figure 1.

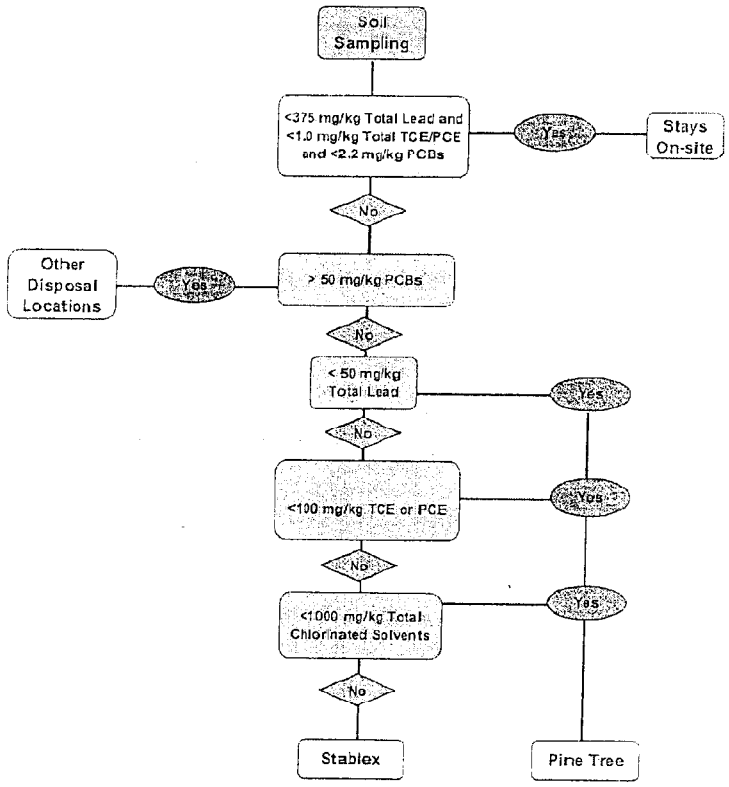

Figure 1. Soil Removal Standards and Site Decision Tree

The MDEP originally established a clean-up standard of 1.0 milligram per kilogram (mg/kg) total trichloroethylene (TCE) and tetrachloroethylene (PCE) for the soil removal action. This standard was used during the soil removal activities that took place in the fall of 2002. Prior to the commencement of removal activities conducted during the summer of 2003, the MDEP changed this standard to *either* 1.0 mg/kg TCE *or* 1.0 mg/kg PCE. Soil that was found to contain over 100 mg/kg TCE or PCE was segregated for disposal at Stablex, in accordance with established procedure.

Because of the elevated polychlorinated biphenyl (PCB) and lead concentrations identified in initial waste characterization samples collected at the site in August 2002 by EER (a copy of these characterization sample results is included in Appendix A), the MDEP established additional clean up standards based on the residential standards of the Maine Remedial Action Guidelines for contaminated soil. These additional standards dictated that soil containing

greater than 2.2 mg/kg PCBs would be removed from the site. Additionally, soil that was found to contain greater than 375 mg/kg total lead would also be removed from the site.

Project Background

The Portland/Bangor Waste Oil Company formerly operated four sites in Maine, used to collect and recycle waste oil. Waste oil, sometimes containing other waste liquid material, was collected from a variety of area businesses, and from state and federal government entities including military facilities. The waste oil was transported to one of the four sites for separation and storage in aboveground storage tanks. Lighter oil from the storage tanks was reportedly decanted and sold as a fuel supplement. Heavier oils were used to oil dirt roads for dust suppression.

The Casco facility had a storage capacity of 150,000 gallons and was used as a backup facility when the primary waste oil storage units at the Wells facility had reached capacity. Waste oil and other waste liquid material were spilled and reportedly discharged directly to the ground from 1969 to 1980 at the Casco site. These practices resulted in hazardous substance contamination of the site soils and groundwater. Figure 2 locates the site on the USGS quadrangle for Casco, Maine.

Fall 2002 Soil Removal Activities

Approximately 3,945 tons of contaminated soils were removed from Area A during the fall 2002 remediation actions at the site. Only Area A was excavated during this time period. Soil removed from this source area generally consisted of silty fine sands. At approximately 12 to 16 feet below grade surface, a substantial increase in silt content was observed, and soil at this depth consequently appeared less permeable.

Approximately 2,379 tons of impacted soil was disposed at Stablex, and approximately 1,566 tons of impacted soil was disposed at Pine Tree. Weight slips for Stablex and Pine Tree are included in Appendices B and C, respectively.

Table 1 presents the analytical results of samples collected during the fall 2002 removal activities. All soil samples were submitted to Maine Environmental Laboratory (MEL) in Yarmouth, Maine. The vast majority of the samples collected at this time were meant to delineate the extent of the contamination and confirm adequate soil removal. Soils were deemed contaminated by visual observation and stockpiled for later sampling to determine the disposal location. Complete copies of the analytical results for the fall 2002 soil removal activities are included in Appendix D.

Excavation activities ended at the site in early November 2002. Seven composite samples were collected from the remaining stockpiled soils to determine if the material was acceptable for disposal at Pine Tree. All of the stockpiled soils were disposed at Pine Tree. The analytical results of these seven samples are included in Appendix E. A polyethylene liner was installed in the existing excavation during site closure to reduce the amount of water entering the excavation over the winter of 2002 and spring of 2003.

Summer 2003 Soil Removal Activities

On July 23, 2003, Guerin, EER, and the MDEP met at the Casco site to continue soil removal procedures. A mobile laboratory service, Pine and Swallow of Groton, Massachusetts, was also contracted to perform onsite laboratory analysis.

Groundwater was encountered in Source Area A at approximately 14 feet below grade surface. Dewatering activities were conducted at Source Area A to facilitate the continued excavation of contaminated soil. The dewatering system consisted of a flapper-type pump, a 10,000-gallon frac tank, a sediment filter, and four 55-gallon granular activated carbon vessels (two in parallel, two in series). Aqueous samples were collected from the dewatering system and submitted to the onsite laboratory and MEL for analysis of VOCs to ensure that no breakthrough occurred. Treated water was discharged several hundred feet into a wooded area located down-gradient of the site. A total of 20,450 gallons of water were treated through the dewatering system.

Eleven aqueous samples were collected from the dewatering system and analyzed for a suite of VOCs, including TCE and PCE. A table of the results for these groundwater samples analyzed by the Pine and Swallow mobile lab (and excerpted from their report to EER) and MEL are included as Appendix F.

Soil conditions similar to Source A, including silty fine sands with a substantial increase in silt content at approximately 12 to 16 feet below grade surface, was observed in Source Area B. The elevation of the silt layer was generally much higher than in Source Area A.

Soil samples were collected at regular spatial intervals during soil removal activities, usually on the order of about 25 horizontal feet and 4 vertical feet, or as deemed appropriate by area-specific characteristics. Soil samples were analyzed by the mobile lab for PCE, TCE, and PCBs. Lead was analyzed onsite using an X-Ray Fluorescence spectrometer (XRF) operated by EER. Soil samples that represented the downward limit of contaminated soil were duplicated and submitted to MEL for confirmatory analysis.

Throughout the soil removal operations, contaminated soil was classified according to the site decision tree (discussed above) and segregated accordingly into two separate stockpiles, one for disposal at Pine Tree the other for disposal at Stablex. At the conclusion of soil removal activities, the MDEP elected to perform additional analyses on soil contained in the stockpile for Stablex. Six separate composite samples were collected from the stockpile and analyzed for total lead by XRF, and for TCE, PCE, and PCBs by the onsite laboratory.

The results for all six of these samples indicated that the soil was targeted for disposal at Stablex, as dictated by the site decision tree. However, the MDEP was noted that the decision tree fails to incorporate the fact that Pine Tree's acceptance criteria for lead is actually based on toxicity characteristic leaching procedure (TCLP) analysis, not analysis for

total lead (total lead was originally incorporated into the decision tree as an estimate for TCLP results, due to the monetary cost and time constraints for the TCLP analysis). Split samples from the six composite samples were subsequently submitted to MEL for TCLP analysis of lead. Analytical results from these samples were all below 5 mg/kg TCLP lead, which is Pine Tree's acceptance criterion. The MDEP consequently elected to dispose of this stockpile at Pine Tree. These sample results are included in Appendix G.

Approximately 2,941 tons of contaminated soils were removed from both Area A and Area B during the summer 2003 remediation actions at the site and disposed at Pine Tree. Weight slips generated by Pine Tree upon receipt of truckloads of contaminated soil are included in Appendix H.

Pine and Swallow soil analytical reports are located in Appendix I. MEL duplicate soil analytical reports are included in Appendix J.

Table 2 presents the onsite analytical results of samples collected during the summer 2003 removal activities. Table 3 presents the analytical results for duplicate samples analyzed by MEL during the summer 2003 removal activities. Figure 3 shows the approximate 2003 excavation boundaries and depths, and sampling locations and corresponding analytical results.

Project Memos

As stated in a memo dated July 23, 2003 from Mr. Hank Aho of the Uncontrolled Sites Program to Ms. Kathy Niziolek, MDEP Project Manager of the Casco site, the MDEP elected to change the original clean-up standard of PCE and TCE for the site from 1.0 mg/kg total PCE and TCE to 1.0 mg/kg either PCE or TCE (Appendix K). This memo also clarified what constituted special waste and hazardous waste at the site. A memo dated July 29, 2003, from Ms. Marianne Guerin, of Guerin, to EER and the MDEP reflects this change in scope (Appendix L). All soil samples collected from Source Areas A and B during the summer 2003 removal activities were evaluated based on these modified standards for PCE and TCE.

Mr. Aho's memo also discusses "the rebuttal presumption located in Chapter 850, Section 3C(2) of the State of Maine Hazardous Waste Management Rules". This Section states, in part:

> "....the Department presumes that a discharge...is the result of a discharge of hazardous waste if such discharge contains the presence of any waste identified in [this Section]. In order to overcome this presumption, a person must demonstrate....that the waste was discharged prior to 1980 or that the waste, at the time of discharge, was not a hazardous waste as identified in [this Section]."

A memo dated August 2, 2002 from Mr. Scott Whittier, Director of the Office of Hazardous Waste Facilities Regulation, to Mr. Aho, agrees with this assessment. Mr. Whittier's memo states that the material removed from the Casco site is not subject to

RCRA, the Land Disposal Requirements, or the state's hazardous waste management rules. A copy of this memo is included in Appendix M.

A memo dated August 12, 2003 from Mr. Aho of the MDEP to Ms. Guerin discusses Pine Tree's limits on accepting soils with lead content (Appendix N). According to the memo, Pine Tree has no total lead criteria written into their permit and may accept up to 100 mg/kg levels of total lead in soil before requiring a TCLP analysis for lead. The memo outlines that the stockpiled soils will be divided into approximately 100 cubic yard units and lead, PCB, TCE, and PCE samples will be collected. Any sample over the hazardous waste standards will be disposed as hazardous waste. Otherwise, the soils will be handled as Special Waste and disposed at Pine Tree.

A memo dated August 20, 2003 from Ms. Niziolek, MDEP Project Manager, to Ms. Guerin of Guerin states that six samples collected from the stockpiled material at the site were analyzed for Pine Tree's requested parameters (Appendix O). However, the statement in the memo regarding the analyses of these six samples was in error due to a miscommunication. These samples were analyzed for TCE, PCE, and PCBs by the on site laboratory and TCLP lead by MEL, and not for all of the Pine Tree required analysis [i.e., TCLP metals, TCLP volatile organics, TCLP semi-volatile organics, herbicides/pesticides, PCBs, flashpoint, pH, reactivity and total organic halogens (TOX)]. Based on the analytical results, all of the impacted soils removed from the Casco site during the summer 2003 removal action were disposed at Pine Tree in Hampden, Maine.

A memo dated August 26, 2003 from Mr. Stephen Dyer, P.E., EER Project Manager, to Ms. Niziolek, MDEP Project Manager, discusses that only one preliminary sample collected from Area B at the beginning of the summer 2003 disposal activities was collected and sampled for Pine Tree parameters. However, the memo stated this sample should not be considered representative of the stockpiled soil that remained at the site at the end of the summer 2003 activities. Mr. Dyer's memo also clarifies that the six samples collected from the stockpiled soil, as described in the previous paragraph, were not analyzed for all of Pine Tree's requested parameters. These six samples were analyzed for TCE, PCE, and PCBs by the onsite laboratory and TCLP lead by Maine Environmental Laboratory. Additionally, three soil samples (EX-A-52, 56, and 57) collected during the initial excavation activities in summer 2003 were analyzed for TCLP VOCs and were found to exceed regulatory limits for TCE (500 ug/l). Soil from the areas at which these samples were collected was segregated accordingly. However, this soil was ultimately disposed at Pine Tree. A copy of this memo is included in Appendix P.

Conclusions

A total of 6,886 tons of contaminated soil was removed from the Casco Waste Oil site during the fall 2002 and summer 2003 remediation actions at the site. Approximately 2,379 tons of contaminated soil was disposed at Stablex and approximately 4,507 tons of contaminated soil was disposed at Pine Tree. Contaminated soil above the established MDEP clean-up standards were removed to the full horizontal extent of contamination, and to the full vertical extent of contamination or to the elevation of the groundwater table

(limited areas), as identified by stationary laboratory analysis (Maine Environmental Laboratory), onsite laboratory analysis (Pine and Swallow), field screening by XRF and by a photoionization detector, and by visual observation.

Please do not hesitate to contact us at (207) 828-1272 if we can provide clarification or additional information regarding this report.

Very truly,

ENVIRONMENTAL ENGINEERING & REMEDIATION, INC.

Randee A. McDonald
Environmental Scientist

Stephen Dyer, P.E.
Project Manager

cc: Marianne Guerin, Guerin Project Manager

TABLE 1
ANALYTICAL SUMMARY
CASCO SOIL REMEDIATION
FALL 2003

DATE	SAMPLE	Headspace	Maine Environmental Laboratory			
			PCB	Lead	TCE	PCE
10/16/2002	Prelim 1	0.4	9.43	636	1.7	4.17
10/16/2002	Prelim 2	1	BDL	BDL	BDL	BDL
10/16/2002	Prelim 3	25	20.4	292	16J	15.6J
10/16/2002	Prelim 4	72	1.16	150,600	56.8	8.98
10/16/2002	Prelim 5	20	0.369	356	BDL	2.28
10/18/2002	Waste-1	4.2	17	348	0.106	0.192
10/18/2002	EX-A-1	9.1	BDL	BDL	BDL	BDL
10/18/2002	EX-A-2	14	BDL	BDL	BDL	BDL
10/18/2002	EX-A-3	9.5	BDL	BDL	BDL	BDL
10/21/2002	SP-1	---	0.15	23	BDL	BDL
10/21/2002	EX-A-4	---	BDL	BDL	BDL	BDL
10/22/2002	EX-A-5	---	BDL	11	BDL	BDL
10/22/2002	EX-A-6	10	BDL	BDL	BDL	BDL
10/22/2002	EX-A-7	5.1	BDL	6	BDL	BDL
10/23/2002	SP-2	---	0.874	BDL	BDL	BDL
10/23/2002	EX-A-8	---	33.7	BDL	BDL	BDL
10/23/2002	EX-A-9	---	6.24	BDL	BDL	BDL
10/23/2002	EX-A-10	---	BDL	BDL	BDL	BDL
10/23/2002	EX-A-11	---	BDL	BDL	BDL	BDL
10/23/2002	EX-A-12	---	0.21	BDL	BDL	BDL
10/23/2002	EX-A-13	---	BDL	BDL	BDL	BDL
10/23/2002	EX-A-14	---	BDL	BDL	BDL	BDL
10/24/2002	EX-A-15	---	BDL	BDL	BDL	BDL
10/24/2002	EX-A-16	---	BDL	BDL	BDL	BDL
10/24/2002	EX-A-17	---	BDL	BDL	BDL	BDL
10/24/2002	EX-A-18	---	6.08	257	0.476	0.509
10/24/2002	SP-3	---	3.62	294	26.1	4.86
10/28/2002	EX-A-19	---	BDL	3	BDL	BDL
10/28/2002	EX-A-20	---	BDL	BDL	BDL	BDL
10/28/2002	EX-A-21	---	0.355	171	0.804	8.72
10/29/2002	Waste-2	---	4.117	0.771	0.351	4.45
10/29/2002	EX-A-22	6.8	BDL	BDL	BDL	BDL
10/29/2002	EX-A-23	---	0.397	0.01	0.081 J	0.167
10/29/2002	EX-A-24	---	BDL	0.24	BDL	BDL
10/29/2002	EX-A-25	---	BDL	BDL	BDL	BDL
10/29/2002	EX-A-26	---	BDL	BDL	BDL	BDL
10/31/2002	EX-A-27	---	BDL	3J	BDL	BDL
10/31/2002	EX-A-28	1.7	BDL	BDL	0.107	BDL
10/31/2002	Waste-3	808	4.17	294	292.7	25.3
11/5/2002	Waste-4	---	NS	NS	202.2	60.3
11/5/2002	EX-A-29	---	BDL	BDL	BDL	BDL
11/5/2002	EX-A-30	---	BDL	BDL	BDL	BDL
11/7/2002	Waste-5	---	NA	6490	97.5	4.7
11/27/2002	EX-A-31	---	BDL	BDL	BDL	BDL
11/27/2002	EX-A-32	---	BDL	BDL	BDL	BDL
11/27/2002	EX-A-33	---	0.701	130	BDL	BDL
11/27/2002	EX-A-34	---	BDL	55	BDL	BDL
11/27/2002	EX-A-35	---	BDL	BDL	0.065	BDL
11/27/2002	EX-A-36	---	BDL	BDL	BDL	BDL

BDL	Below Detection Limits
NA	Not Applicable - Sample not tested for these parameters
TRACE	Contaminants above detection limits but below reporting limits

TABLE 2
ANALYTICAL SUMMARY
CASCO SOIL REMEDIATION
SUMMER 2003

DATE	SAMPLE	Pine & Swallow				EER	
		PCBs	TCE	PCE	Total VOC	PID	Lead
7/23/2003	A37	BDL	0.62	BDL		5716	32.75
7/23/2003	A38	0.06	2.90	1.00		6018	BDL
7/23/2003	A39	BDL	BDL	BDL		191	BDL
7/23/2003	A40	BDL	BDL	BDL		2.9	BDL
7/23/2003	A41	BDL	0.15	BDL		92	BDL
7/23/2003	A42	BDL	0.80	0.30		3047	BDL
7/23/2003	A43	BDL	0.18	1.10		241	BDL
7/24/2003	A44	BDL	0.87	0.08		1956	37.86
7/24/2003	A45	0.24	1.10	0.90		1032	BDL
7/24/2003	A46	BDL	BDL	BDL		5.5	BDL
7/24/2003	A47	BDL	BDL	BDL		5.1	BDL
7/24/2003	A48	BDL	0.10	BDL		98	38.57
7/24/2003	A49	BDL	0.96	0.16		782	BDL
7/24/2003	A50	BDL	0.08	0.10		25.5	BDL
7/24/2003	A51	BDL	0.01	0.00		38.3	BDL
7/24/2003	**A52**	**28.80**	**898.10**	**78.50**	**>1,000**	**1832**	**232.56**
7/24/2003	A53	1.68	0.81	0.21		177	183.91
7/24/2003	**A54**	**2.74**	**0.72**	**0.61**	**<1,000**	**234**	**87.11**
7/24/2003	A55	20.32	0.46	0.23		42	32.71
7/24/2003	**A56**	**4.86**	**484.00**	**130.00**	**<1,000**	**1681**	**141.59**
7/24/2003	**A57**	**7.51**	**100.00**	**29.40**	**<1,000**	**959**	**107.61**
7/24/2003	A58	NA	NA	NA		NA	30.25
7/24/2003	**A59**	**4.42**	**1.10**	**1.00**	**<1,000**	**256**	**52.3**
7/25/2003	A60	BDL	BDL	BDL		4.4	BDL
7/25/2003	A61	BDL	BDL	BDL		5.2	BDL
7/25/2003	A62	BDL	BDL	BDL		5.4	32.29
7/25/2003	A63	NA	NA	NA		4.9	BDL
7/25/2003	A64	2.94	72.00	12.10		821	BDL
7/25/2003	A65	BDL	0.24	BDL		42	BDL
7/25/2003	**A66**	**7.26**	**1.10**	**1.00**	**<1,000**	**256**	**55**
7/25/2003	A67	2.13	0.89	0.97		564	BDL
7/25/2003	**A68**	**2.15**	**410.00**	**9.70**	**<1,000**	**NA**	**BDL**
7/25/2003	A69	BDL	0.02	0.01		NA	BDL
7/25/2003	A70	BDL	0.40	0.05		678	BDL
7/25/2003	A71	BDL	0.01	BDL		24.5	BDL
7/25/2003	A72	1.10	14.60	37.90		1052	41.54
7/25/2003	A73	0.92	1.20	1.10		667	47.89
7/25/2003	A74	1.10	0.63	0.91		349	BDL
7/25/2003	A75	0.55	0.42	0.75		339	42.45
7/25/2003	A76	BDL	0.07	0.01		237	BDL
7/28/2003	A77	BDL	BDL	BDL		2.2	BDL
7/28/2003	A78	BDL	BDL	BDL		4.8	BDL
7/28/2003	A79	BDL	0.028	0.004		5.9	BDL
7/28/2003	A80	2.62	0.73	0.17		87.50	37.19
7/28/2003	A81	0.27	0.16	0.80		291.00	BDL
7/28/2003	A82	BDL	0.025	0.004		137	BDL
7/28/2003	A83	BDL	BDL	BDL		155	BDL
7/28/2003	**A84**	**5.56**	**1.10**	**1.00**	**<1,000**	**327**	**78.22**
7/28/2003	A85	0.54	0.50	0.60		207	40
7/28/2003	A86	BDL	BDL	BDL		4	34.25
7/28/2003	A87	BDL	0.003	0.069		4	38.84
7/28/2003	A88	BDL	BDL	BDL		114	36.46
7/28/2003	A89	BDL	0.10	0.20		53	34.08
7/28/2003	A90	BDL	BDL	BDL		26	46.39

TABLE 2
ANALYTICAL SUMMARY
CASCO SOIL REMEDIATION
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DATE	SAMPLE	Pine & Swallow				EER	
		PCBs	TCE	PCE	Total VOC	PID	Lead
7/28/2003	A91	BDL	BDL	BDL		15.5	BDL
7/29/2003	A92	TRACE	BDL	BDL		22	31.89
7/29/2003	**A93**	**13.70**	**0.009**	**0.1**	**< 1,000**	**96**	**95.34**
7/29/2003	A94	16.40	BDL	2.8		1352	40.78
7/29/2003	A95	0.36	0.03	0.04		88	114.27
7/29/2003	A96	0.60	0.05	0.02		198	BDL
7/29/2003	A97	BDL	BDL	BDL		4	BDL
7/29/2003	A98	BDL	BDL	0.05		5	89.44
7/29/2003	A99	BDL	BDL	0.005		1	BDL
7/29/2003	**A100**	**2.74**	**1**	**1.1**	**< 1,000**	**48**	**104.59**
7/29/2003	A101	NA	NA	NA		1	BDL
7/29/2003	**A102**	**NA**	**NA**	**NA**	**NA**	**713**	**1500.23**
7/30/2003	A103	BDL	BDL	0.001		NA	BDL
7/30/2003	A104	BDL	BDL	0.004		NA	40.15
7/30/2003	A105	BDL	BDL	BDL		NA	174.15
7/30/2003	A106	BDL	BDL	BDL		NA	BDL
7/30/2003	A107	1.19	BDL	0.87		NA	BDL
7/30/2003	A108	BDL	BDL	BDL		NA	BDL
7/30/2003	A109	BDL	BDL	BDL		NA	BDL
7/30/2003	A110	3.85	BDL	4.1		NA	BDL
7/30/2003	A111	BDL	BDL	3.2		NA	BDL
7/30/2003	A112	1.32	BDL	2.8		NA	BDL
7/30/2003	A113	0.20	BDL	3.3		NA	35.19
7/30/2003	**A114**	**NA**	**NA**	**NA**	**NA**	**NA**	**884.33**
7/30/2003	A115	BDL	BDL	0.95		NA	182.53
7/31/2003	A116	BDL	BDL	0.065		NA	40.59
7/31/2003	A117	BDL	BDL	TRACE		NA	BDL
7/31/2003	A118	1.37	BDL	1.3		NA	42.71
7/31/2003	A119	BDL	BDL	0.86		NA	100.03
7/31/2003	A120	BDL	BDL	0.002		NA	42.24
7/31/2003	A121	BDL	BDL	BDL		NA	BDL
7/31/2003	A122	BDL	0.14	0.15		NA	BDL
8/1/2003	A123	BDL	0.12	0.18		NA	36.09
8/1/2003	A124	BDL	0.4	0.27		NA	BDL
8/1/2003	A125	BDL	0.51	TRACE		NA	41.47
8/1/2003	A126	0.48	0.82	0.7		NA	101.73
8/1/2003	A127	BDL	0.05	0.1		NA	38.58
8/1/2003	A128	0.22	0.4	0.92		NA	BDL
8/1/2003	**A129**	**1.43**	**1.1**	**1**	**< 1,000**	**NA**	**117.21**
8/1/2003	A130	BDL	BDL	TRACE		NA	BDL
8/1/2003	A131	BDL	0.6	0.2		NA	BDL
8/4/2003	A132	BDL	TRACE	TRACE		1.2	BDL
8/5/2003	A133	0.30	0.1	0.08		7.1	33.04
8/5/2003	A134	BDL	1.2	0.99		39	BDL
8/4/2003	B1	BDL	BDL	BDL		0	BDL
8/4/2003	**B2**	**13.70**	**BDL**	**BDL**	**< 1,000**	**5.6**	**162.58**
8/4/2003	B3	BDL	BDL	BDL		0	BDL
8/4/2003	**B4**	**NA**	**NA**	**NA**	**NA**	**1.2**	**1005.82**
8/4/2003	**B5**	**3.91**	**BDL**	**1.2**	**< 1,000**	**63.2**	**60.77**
8/4/2003	B6	0.01	BDL	BDL		0	37.9
8/4/2003	B7	BDL	BDL	BDL		1.5	BDL
8/5/2003	B8	BDL	BDL	BDL		0.5	BDL
8/5/2003	B9	BDL	BDL	BDL		1.5	BDL
8/5/2003	B10	BDL	BDL	BDL		1.2	BDL

TABLE 2
ANALYTICAL SUMMARY
CASCO SOIL REMEDIATION
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DATE	SAMPLE	Pine & Swallow				EER	
		PCBs	TCE	PCE	Total VOC	PID	Lead
8/5/2003	B11	BDL	BDL	BDL		0.7	BDL
8/5/2003	B12	BDL	BDL	BDL		0.5	44.46
8/5/2003	B13	BDL	BDL	BDL		0.3	BDL
8/5/2003	B14	BDL	BDL	BDL		0.7	BDL
8/5/2003	B15	BDL	BDL	BDL		0.5	BDL
8/5/2003	B16	BDL	BDL	BDL		0.7	BDL
8/5/2003	B17	BDL	BDL	BDL		0.5	BDL
8/5/2003	**B18**	**5.90**	**BDL**	**0.09**	**< 1,000**	**1.9**	**148.17**
8/5/2003	**B19**	**2.63**	**BDL**	**0.21**	**< 1,000**	**36**	**321.71**
8/5/2003	B20	0.51	BDL	1.1		31	40.21
8/5/2003	**B21**	**5.20**	**BDL**	**0.18**	**< 1,000**	**2.8**	**66.93**
8/5/2003	**B22**	**7.20**	**BDL**	**0.19**	**< 1,000**	**66**	**376.32**
8/5/2003	B23	BDL	BDL	TRACE		8.4	BDL
8/5/2003	B24	0.19	BDL	0.12		21	206.13
8/5/2003	B25	BDL	BDL	BDL		0.5	51.97
8/5/2003	B26	1.61	BDL	0.89		5.3	183.88
8/5/2003	**B27**	**2.84**	**BDL**	**0.2**	**< 1,000**	**10.4**	**212.23**
8/5/2003	B28	4.54	TRACE	0.95		76	49.33
8/5/2003	B29	1.55	BDL	0.02		57	256.39
8/5/2003	B30	BDL	BDL	BDL		2.2	BDL
8/5/2003	**B31**	**4.70**	**BDL**	**0.11**	**< 1,000**	**72**	**222.96**
8/5/2003	B32	BDL	BDL	BDL		2.6	73.57
8/6/2003	B33	NA	NA	NA		NA	NA
8/6/2003	B34	BDL	BDL	TRACE		NA	BDL
8/6/2003	B35	0.32	BDL	0.25		NA	48.04
8/6/2003	**B36**	**11.80**	**BDL**	**0.09**	**< 1,000**	**NA**	**142.7**
8/6/2003	**B37**	**20.40**	**BDL**	**TRACE**	**< 1,000**	**NA**	**355.47**
8/6/2003	**B38**	**11.40**	**BDL**	**0.16**	**< 1,000**	**NA**	**1040.21**
8/6/2003	B39	BDL	BDL	BDL		NA	BDL
8/6/2003	B40	BDL	1	0.2		NA	BDL
8/6/2003	**B41**	**2.73**	**BDL**	**0.41**	**< 1,000**	**NA**	**95.56**
8/6/2003	B42	BDL	BDL	BDL		NA	BDL
8/7/2003	**B43**	**2.33**	**TRACE**	**0.62**	**< 1,000**	**62**	**52.9**
8/7/2003	B44	6.08	0.03	0.18		6.3	32.5
8/7/2003	**B45**	**1.90**	**BDL**	**0.78**	**< 1,000**	**31**	**377.71**
8/7/2003	B46	1.77	BDL	0.93		108	BDL
8/7/2003	B47	BDL	BDL	BDL		4	BDL
8/7/2003	B48	BDL	BDL	BDL		8.5	BDL
8/7/2003	B49	BDL	BDL	BDL		7.5	BDL
8/7/2003	B50	1.84	BDL	1.2		77	48.63
8/7/2003	B51	BDL	BDL	TRACE		5	BDL
8/7/2003	**B52**	**2.41**	**BDL**	**1.1**	**< 1,000**	**295**	**66.17**
8/7/2003	B53	BDL	BDL	BDL		10	BDL
8/7/2003	B54	BDL	1.8	1.1			40.93
8/7/2003	B55	TRACE	BDL	0.23		7.1	440.19
8/7/2003	B56	0.17	BDL	0.14		8.3	167.55
8/7/2003	**B57**	**3.82**	**BDL**	**1**	**< 1,000**	**24**	**82.7**
8/7/2003	**B58**	**2.59**	**BDL**	**0.3**	**< 1,000**	**22**	**53.96**
8/7/2003	**B59**	**2.11**	**BDL**	**1.1**	**< 1,000**	**15.4**	**774.24**
8/8/2003	B60	6.83	BDL	0.45		217	32.49
8/8/2003	**B61**	**5.74**	**BDL**	**0.45**	**< 1,000**	**33**	**81.38**

TABLE 2
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CASCO SOIL REMEDIATION
SUMMER 2003

DATE	SAMPLE	Pine & Swallow				EER	
		PCBs	TCE	PCE	Total VOC	PID	Lead
8/8/2003	B62	0.06	BDL	TRACE			BDL
8/8/2003	B63	5.80	BDL	1		425	33.41
8/8/2003	B64	2.79	BDL	0.92		105	34.63
8/8/2003	B65	1.94	BDL	1.1		154	39.29
8/8/2003	B66	4.45	BDL	1.1		133	BDL
8/8/2003	B67	TRACE	BDL	TRACE		7.1	44.04
8/8/2003	**B68**	**3.99**	**BDL**	**1.2**	**< 1,000**	**123**	**59.14**
8/8/2003	B69	1.36	BDL	0.7		137	BDL
8/8/2003	B70	BDL	BDL	BDL		14	BDL
8/8/2003	B71	BDL	BDL	BDL		8	BDL
8/8/2003	B72	BDL	BDL	BDL		5.2	BDL
8/8/2003	B73	BDL	BDL	TRACE		23	34.89
8/11/2003	B74	NA	NA	NA		NA	NA
8/11/2003	B75	BDL	BDL	BDL		NA	BDL
8/11/2003	B76	BDL	BDL	BDL		NA	BDL
8/11/2003	B77	BDL	BDL	TRACE		NA	BDL
8/11/2003	B78	0.20	BDL	0.7		NA	63.58
8/11/2003	B79	BDL	BDL	TRACE		NA	BDL
8/12/2003	B80	2.95	BDL	0.46		NA	40.81
8/12/2003	B81	BDL	BDL	TRACE		NA	BDL
8/12/2003	B82	BDL	BDL	TRACE		NA	BDL
8/12/2003	B83	BDL	BDL	TRACE		NA	BDL
8/12/2003	B84	BDL	BDL	BDL		NA	34.66
8/12/2003	B85	1.69	BDL	0.3		NA	BDL
8/11/2003	**CELL A COMPOSITE**	**4.75**	**BDL**	**0.6**	**NA**	**NA**	**139.19**
8/11/2003	CELL A-VOC#1	1.76	BDL	0.159		NA	NA
8/11/2003	CELL A-VOC#2	2.86	BDL	0.4		NA	NA
8/11/2003	CELL A-VOC#3	3.32	TRACE	1.2		NA	NA
8/11/2003	**CELL B COMPOSITE**	**3.60**	**BDL**	**0.45**	**NA**	**NA**	**216.63**
8/11/2003	CELL B-VOC#1	NA	BDL	0.7		NA	NA
8/11/2003	CELL B-VOC#2	NA	BDL	0.17		NA	NA
8/11/2003	CELL B-VOC#3	NA	0.018	0.3		NA	NA
8/11/2003	**CELL C COMPOSITE**	**4.13**	**BDL**	**TRACE**	**NA**	**NA**	**194.67**
8/11/2003	CELL C-VOC#1	NA	BDL	0.16		NA	NA
8/11/2003	CELL C-VOC#2	NA	TRACE	0.21		NA	NA
8/11/2003	CELL C-VOC#3	NA	TRACE	0.19		NA	NA
8/11/2003	**CELL D COMPOSITE**	**4.24**	**BDL**	**0.4**	**NA**	**NA**	**153.65**
8/11/2003	CELL D-VOC#1	NA	BDL	0.22		NA	NA
8/11/2003	CELL D-VOC#2	NA	BDL	0.27		NA	NA
8/11/2003	CELL D-VOC#3	NA	0.22	0.48		NA	NA
8/11/2003	**CELL E COMPOSITE**	**6.60**	**TRACE**	**0.65**	**NA**	**NA**	**233.22**
8/11/2003	CELL E-VOC#1	NA	0.28	0.46		NA	NA
8/11/2003	CELL E-VOC#2	NA	0.69	0.71		NA	NA
8/11/2003	CELL E-VOC#3	NA	0.65	0.65		NA	NA
8/11/2003	**CELL F COMPOSITE**	**6.30**	**BDL**	**0.7**	**NA**	**NA**	**122.97**
8/11/2003	CELL F-VOC#1	NA	0.77	0.94		NA	NA
8/11/2003	CELL F-VOC#2	NA	0.4	0.4		NA	NA
8/11/2003	CELL F-VOC#3	NA	0.39	0.37		NA	NA
8/12/2003	CELL G COMPOSITE	17.06	0.27	0.7		NA	59.53
8/12/2003	CELL G-VOC#1	NA	0.2	0.87		NA	NA
8/12/2003	CELL G-VOC#2	NA	0.06	1.1		NA	NA
8/12/2003	CELL G-VOC#3	NA	0.6	1.1		NA	NA

	Soil remained on site
	Soil disposed at Pine Tree
	Soil originally segregated to be sent to Stablex, but resampled and disposed at Pine Tree
	Soil disposed at Stablex Canada

BDL	Below Detection Limits
NA	Not Applicable - Sample not tested for these parameters
TRACE	Contaminants above detection limits but below reporting limits in sample

TABLE 3
ANALYTICAL SUMMARY
CASCO SOIL REMEDIATION
SUMMER 2003

DATE	SAMPLE	Maine Environmental Laboratory				
		PCBs	TCE	PCE	Lead	TCLP Lead
7/25/2003	A69	BDL	0.165	0.065	3	
7/25/2003	A75	0.707	8.05	18.5	10	
7/28/2003	A80	0.575	8.62	1.57	35	
7/28/2003	A88	BDL	BDL	BDL	5	
7/28/2003	A89	BDL	0.711	0.046	BDL	
7/30/2003	A104	0.106	BDL	BDL	5	
7/31/2003	A120	BDL	BDL	BDL	4	
7/31/2003	A121	BDL	BDL	BDL	3	
8/1/2003	A127	BDL	0.123	BDL	3	
8/1/2003	A130	BDL	BDL	BDL	2	
8/5/2003	A133	0.078	0.144	BDL	12	
8/5/2003	B13	BDL	BDL	BDL	BDL	
8/6/2003	B33	0.11	BDL	2.73	3	
8/12/2003	B83	BDL	BDL	BDL	2	
8/12/2003	B84	BDL	BDL	BDL	BDL	
8/11/2003	CELL A COMPOSITE					1.6
8/11/2003	CELL B COMPOSITE					1.9
8/11/2003	CELL C COMPOSITE					1.7
8/11/2003	CELL D COMPOSITE					1.5
8/11/2003	CELL E COMPOSITE					3.7
8/11/2003	CELL F COMPOSITE					1.4

	Soil remained on site
	Soil disposed at Pine Tree
	Soil originally segregated to be sent to Stablex, but resampled and dis
	Soil disposed at Stablex Canada

BDL	Detection Limits
NA	Not Applicable - Sample not tested for these parameters
TRACE	Contaminants above detection limits but below reporting limits in samp

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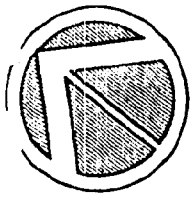


NORTH

FIGURE 3.

PORTLAND/BANGOR WASTE OIL SITE
TENNEY HILL ROAD
CASCO, MAINE

EER Environmental Engineering & Remediation, Inc.
222 St. John Street, Suite 314 Portland, Maine 04102

DESIGN BY:	DER
DRAWN BY:	JAR
CHECKED BY:	SJD/RAM
DATE:	10--07--03
JOB NO:	784
SCALE:	1" = 60'

784_C101

C-100
SHEET 1 OF 1

APPENDIX F

HYDROGEOLOGIC DATA

HYDROGEOLOGIC DATA AND TESTING

The 17 monitoring wells installed at the PBWO-Casco site during the RI were used to gather hydrogeologic data on the groundwater flow regime. Hydrogeologic data include groundwater elevation data (i.e., water levels) and hydraulic conductivity data. Groundwater elevation data were collected during several events between January 25, 2002 and January 24, 2004. Table 6 summarizes the groundwater elevation data. The data in this table reflects the increased number of wells and piezometers installed throughout the course of the RI.

Two methods were used to collect data needed to estimate the hydraulic conductivity of the overburden and bedrock as described below.

- Constant Head Testing: All of the monitoring wells were developed by pumping and surging. At the completion of development, 14 of the monitoring wells were pumped at a constant flow rate and the steady state water level was measured. The constant rate pumping data and data on the total change in water level in the well were used to estimate the hydraulic conductivity of the formation screened by these wells using the method of Hvorslev (1951).

- Variable-Head Testing: In addition to the constant-head tests, 7 of the wells were tested using rising-head tests to estimate the hydraulic conductivity of the formation. The wells were allowed to reach equilibrium, then the water level was lowered by rapidly pumping water from the well over a short period of time (e.g., 30 seconds). The recovery of the water level was then recorded with time. These rising head data were analyzed using the method of Bower and Rice (1976) and AQTESOLV software to estimate hydraulic conductivity.

Raw data and calculations for the hydraulic conductivity testing are included in this appendix

APPENDIX F
SUMMARY OF HYDRAULIC CONDUCTIVITY ANALYSES

Well	Geologic Unit	Testing Method	Hydraulic Conductivity (ft/min)	Hydraulic Conductivity (ft/day)	Hydraulic Conductivity (cm/sec)
MW-10B	Sandy Till	RH	0.000022	0.03	1.1E-05
MW-13B	Sandy Till	RH	0.00078	1.12	4.0E-04
		CH		1.63	5.7E-04
MW-14B	Sandy Till	RH	0.00056	0.81	2.8E-04
		CH		4.47	1.6E-03
MW-15B	Sandy Till	RH	0.00025	0.36	1.3E-04
		CH		1.85	6.5E-04
MW-16C	Sandy Till	CH		0.62	2.2E-04
Geometric Overburden Mean:				**0.74**	**2.6E-04**
MW-10A	Granite	RH	0.00012	0.17	6.1E-05
		CH		0.11	3.9E-05
MW-11A	Granite	CH		0.58	2.0E-04
MW-12A	Mafic	RH	0.000038	0.05	1.9E-05
		CH		0.04	1.4E-05
MW-13A	Granite	RH	0.000049	0.07	2.5E-05
		CH		0.37	1.3E-04
MW-13Y	Mafic	CH		0.05	1.8E-05
MW-13Z	Granite	CH		2.26	8.0E-04
MW-16A	Granite	CH		1.59	5.6E-04
MW-17A	Granite	CH		5.35	1.9E-03
MW-17B	Granite	CH		3.06	1.1E-03
MW-18A	Maf/Gran	CH		11.15	3.9E-03
Geometric Bedrock Mean:				**0.44**	**1.5E-04**

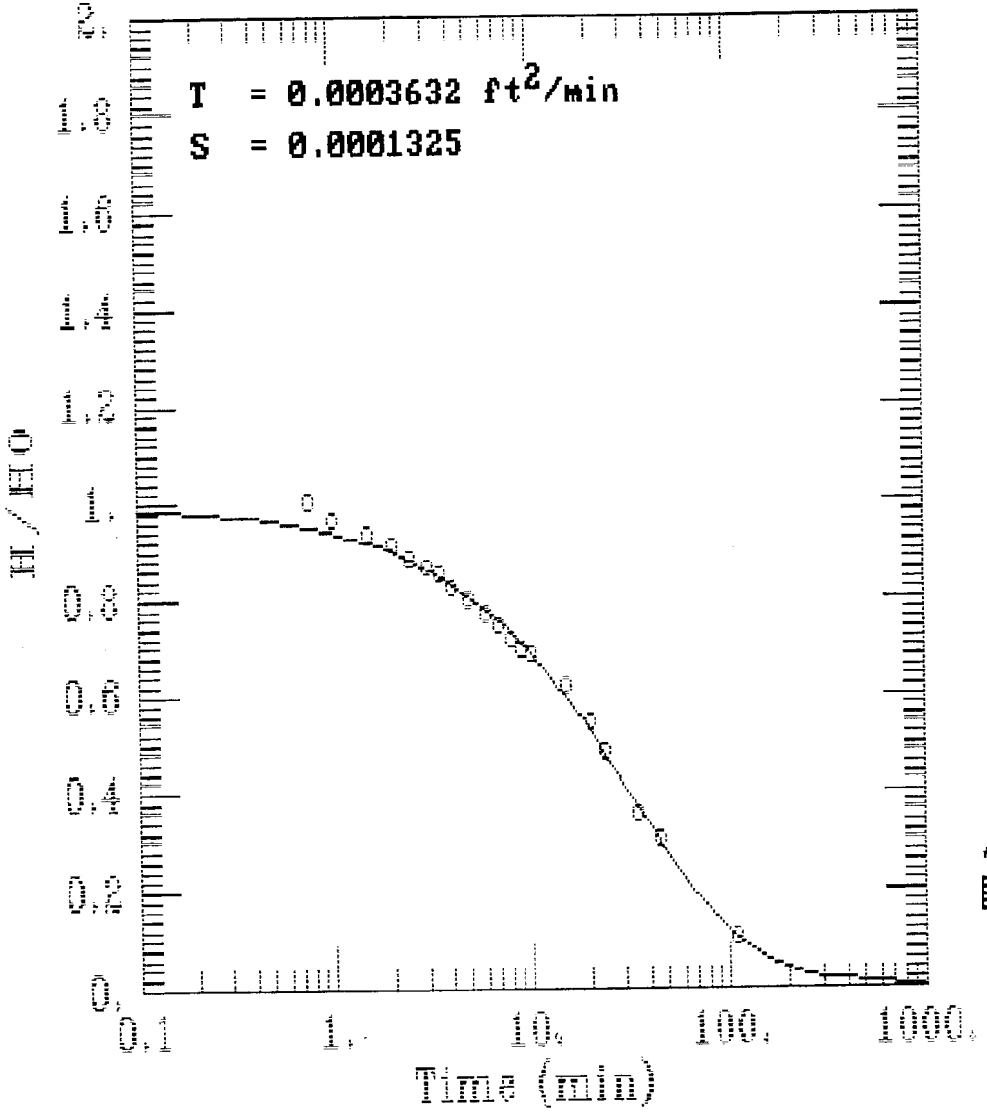
APPENDIX F
CONSTANT HEAD PERMEABILITY TEST DATA
PBWO-CASCO SITE

	H (ft)	q (gpm)	q (ft^3/min)	L (ft)		mL/D	$1+(mL/D)^2$	mL/D +SQRT	ln( )		K (ft/min)	K(ft/day)	K(cm/sec)
MW-10A	6.18	0.06	0.01	12.5		52.30	2736.42	104.61	4.65		0.0001	0.11	3.90E-05
MW-11A	3.69	0.17	0.02	11		46.03	2119.31	92.06	4.52		0.0004	0.58	2.05E-04
MW-12A	12.35	0.046	0.01	14.5		60.67	3681.78	121.35	4.80		0.0000	0.04	1.33E-05
MW-13A	4.72	0.148	0.02	12		50.21	2521.96	100.43	4.61		0.0003	0.37	1.30E-04
MW-13B	1.71	0.213	0.03	9.5		28.79	829.74	57.59	4.05		0.0011	1.63	5.74E-04
MW-13Y	11.87	0.06	0.01	13		43.33	1878.78	86.68	4.46		0.0000	0.05	1.87E-05
MW-13Z	0.46	0.099	0.01	13		43.33	1878.78	86.68	4.46		0.0016	2.26	7.98E-04
MW-14B	0.63	0.148	0.02	5.7		17.27	299.35	34.57	3.54		0.0031	4.47	1.58E-03
MW-15B	1.86	0.107	0.01	2.65		8.03	65.49	16.12	2.78		0.0013	1.85	6.52E-04
MW-16C	1.6	0.086	0.01	11.2		33.94	1152.88	67.89	4.22		0.0004	0.62	2.19E-04
MW-16A	0.95	0.144	0.02	13		43.33	1878.78	86.68	4.46		0.0011	1.59	5.62E-04
MW-17A	0.22	0.112	0.01	13		43.33	1878.78	86.68	4.46		0.0037	5.35	1.89E-03
MW-17B	0.46	0.126	0.02	12		40.00	1601.00	80.01	4.38		0.0021	3.06	1.08E-03
MW-18A	0.1	0.106	0.01	13		43.33	1878.78	86.68	4.46		0.0077	11.15	3.93E-03

MW-10A to MW-13A: D=0.239ft (N-Core)
MW-13B to MW-16B: D=0..33 ft (4-in Casing)
MW-13Y/Z, MW-16A/B TO MW-18A/B: D=0.30 ft (H-Core)

Hvorslev: $K = q^* \ln(m/D + SQRT(1+mL/D)^2)/2*pi*H*L$
m=1

MW-10B



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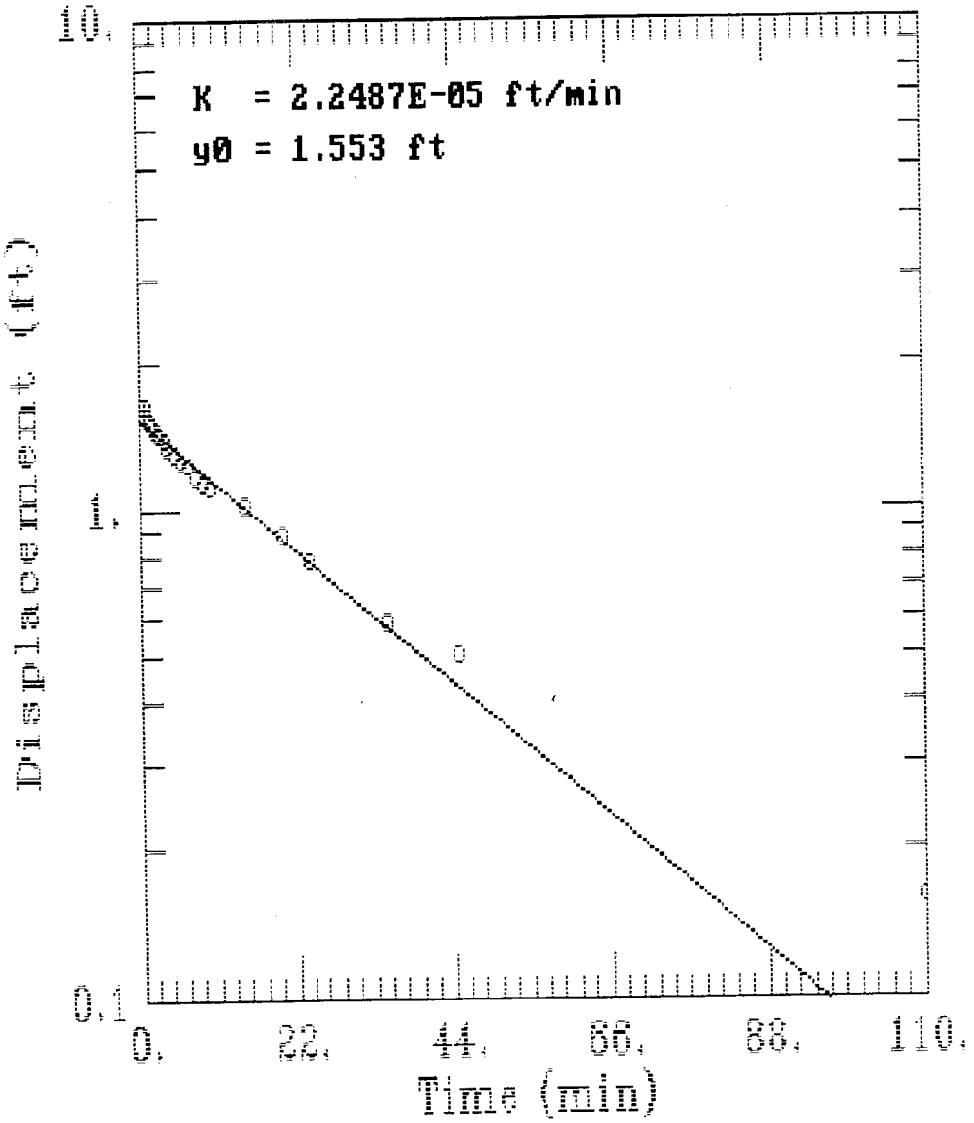
Modeling Group

MW-10B



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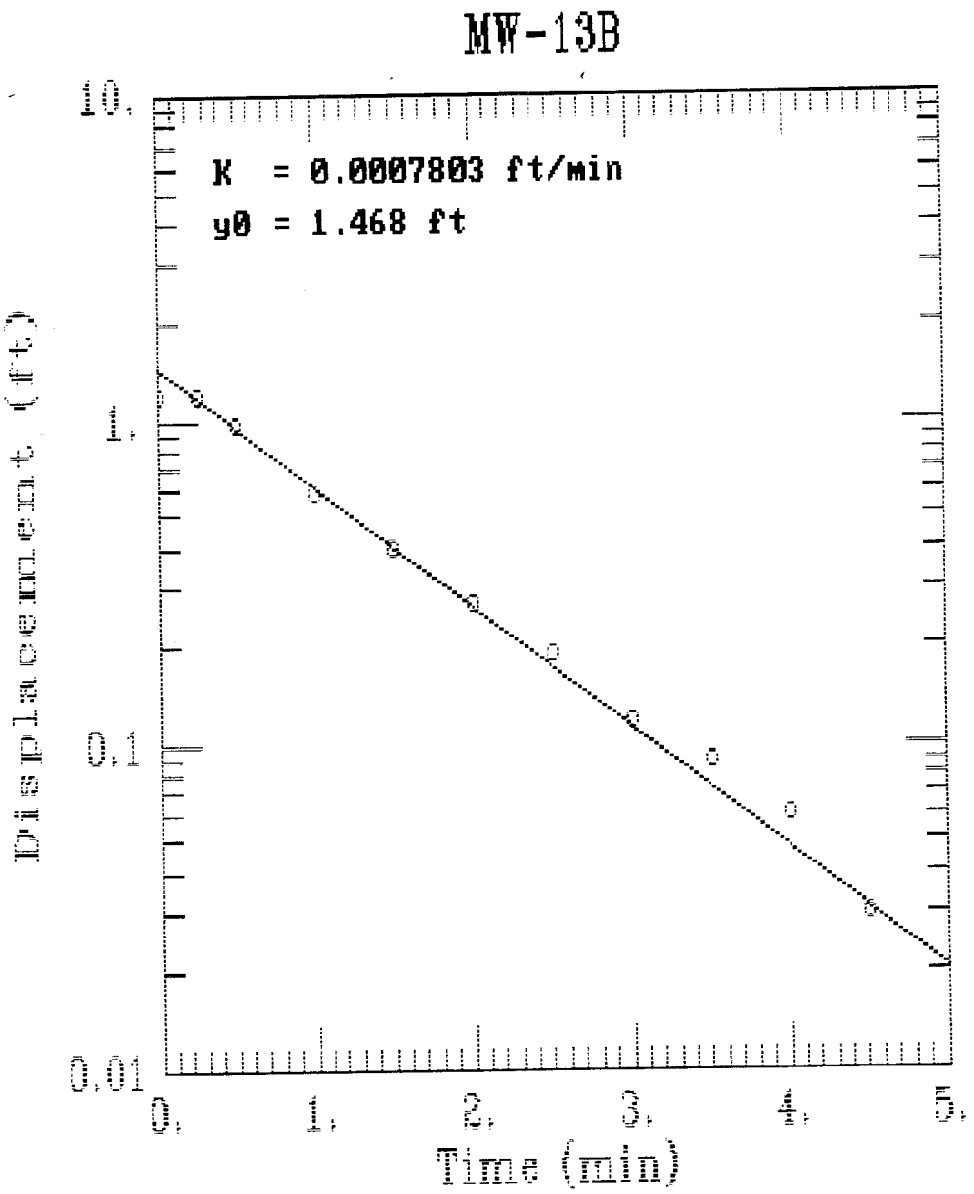

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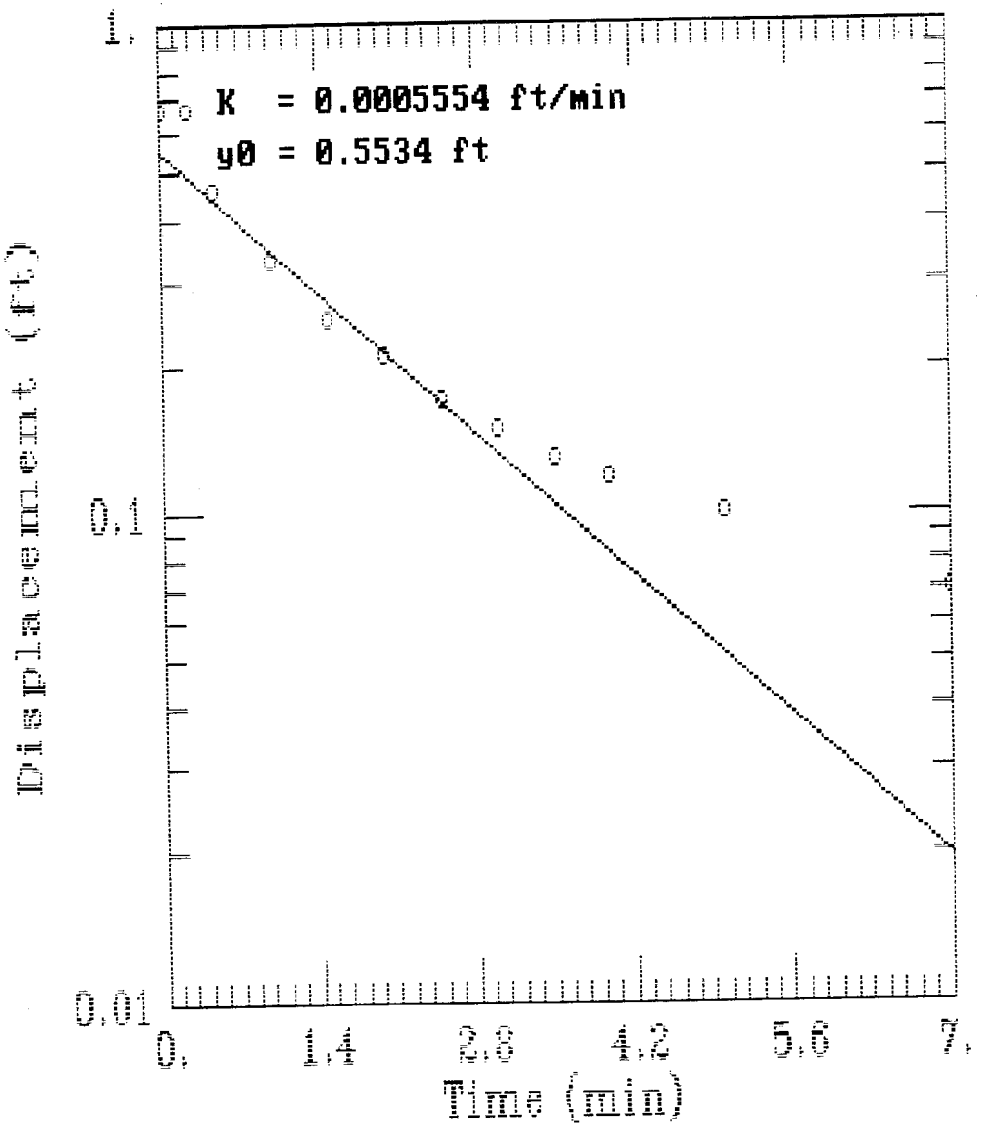
MW-14B



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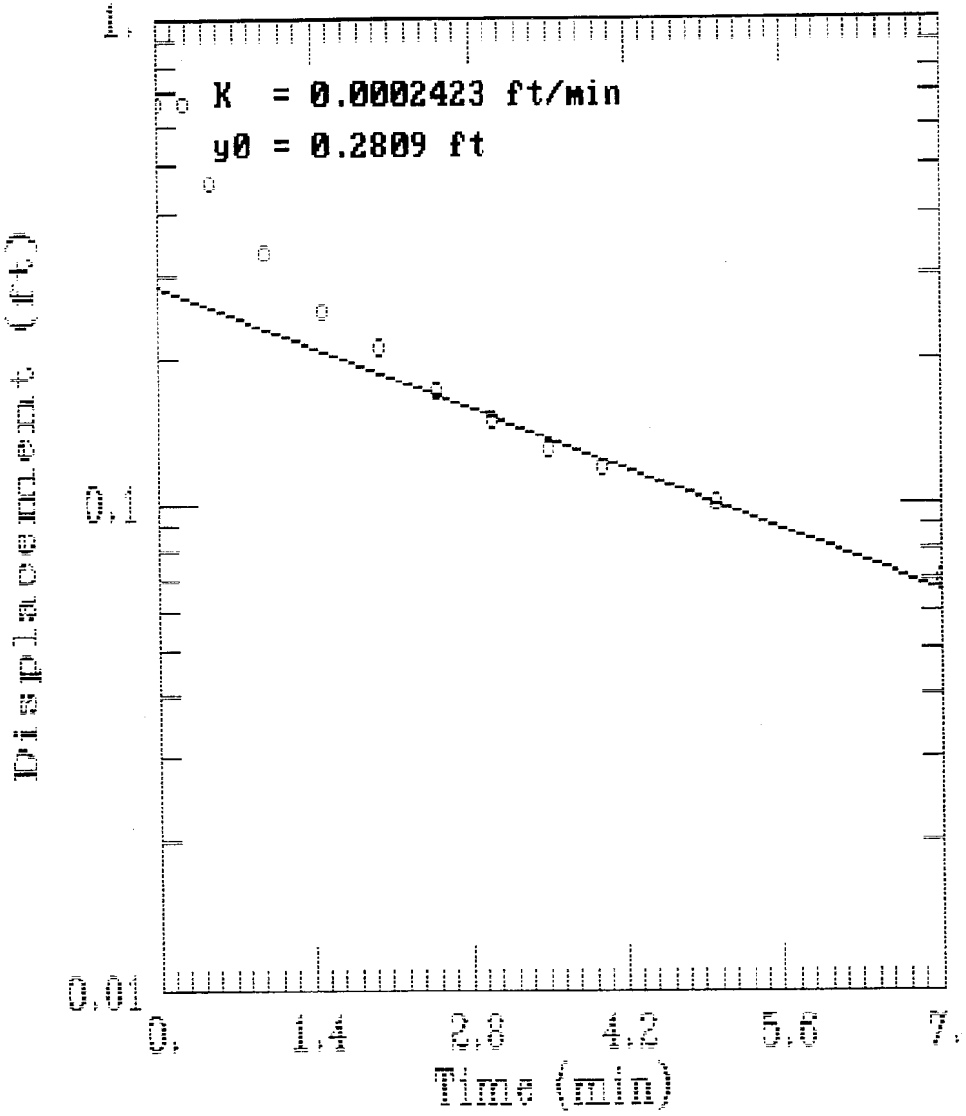
Modeling Group

MW-14B



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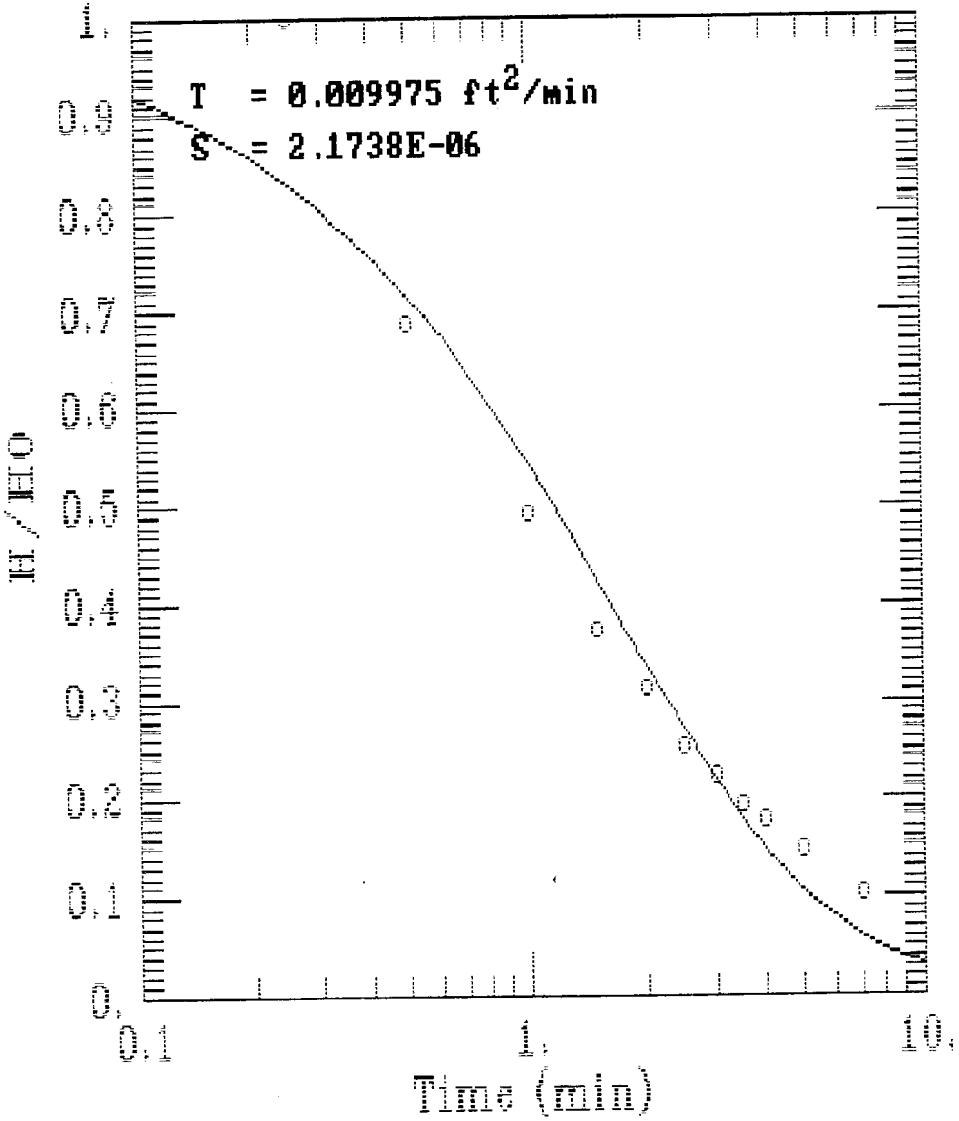
Modeling Group

MW-14B



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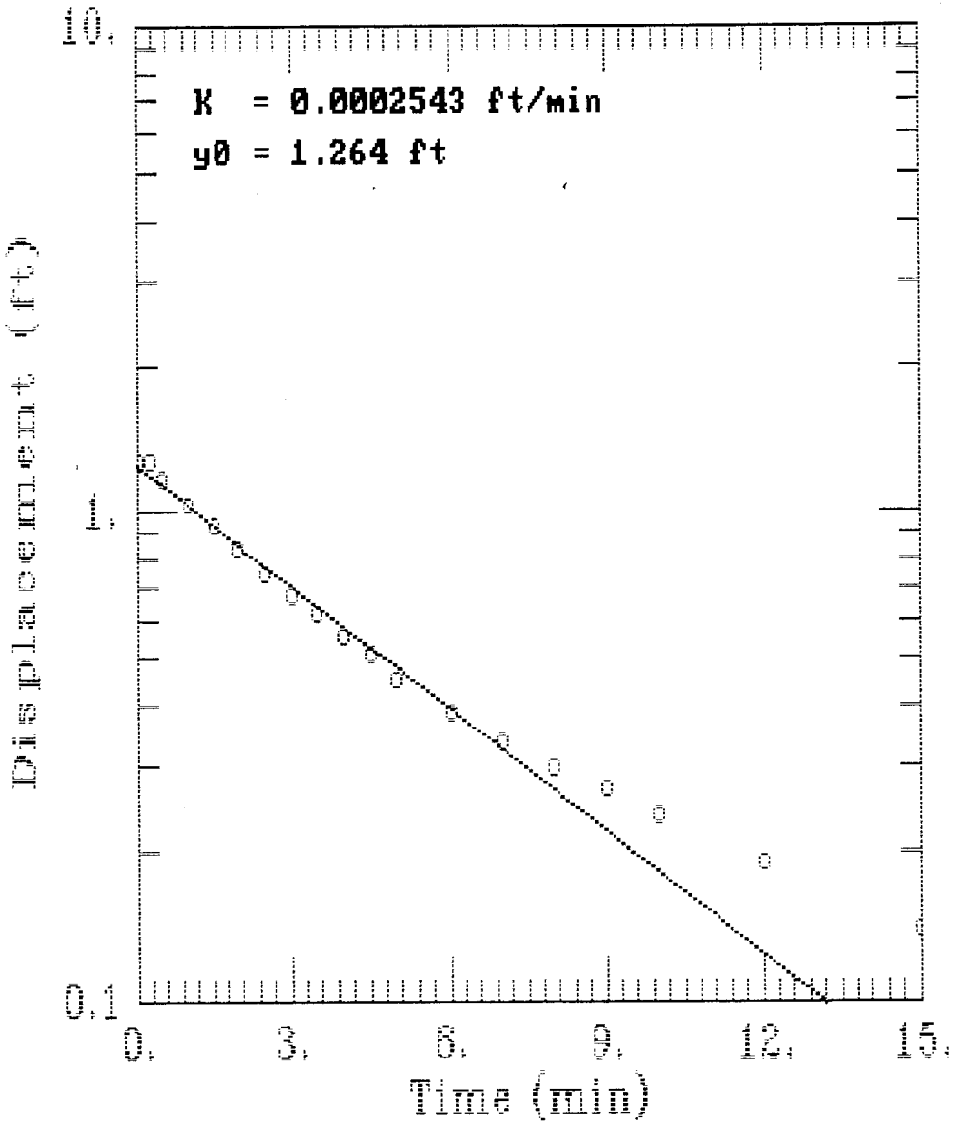
Modeling Group

MW-15B



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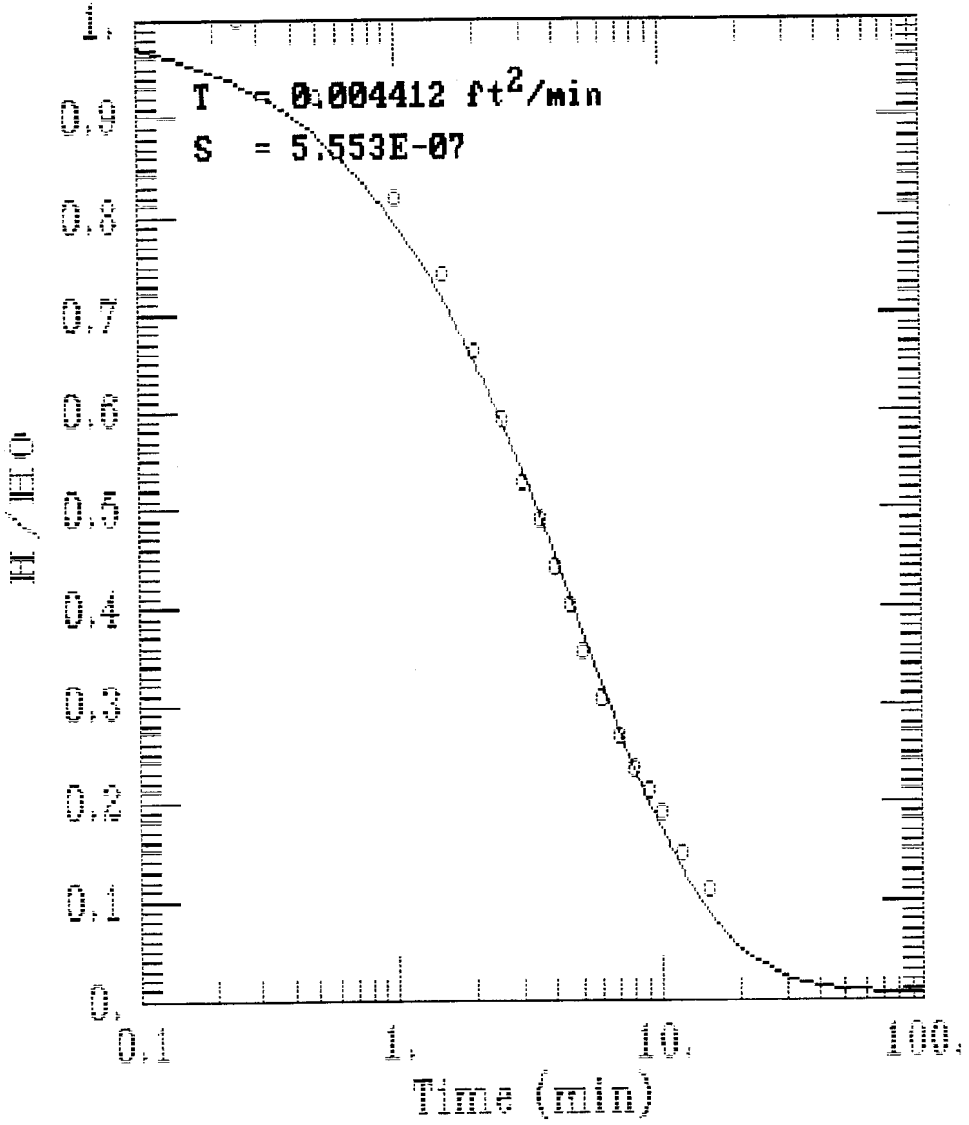
MW-15B



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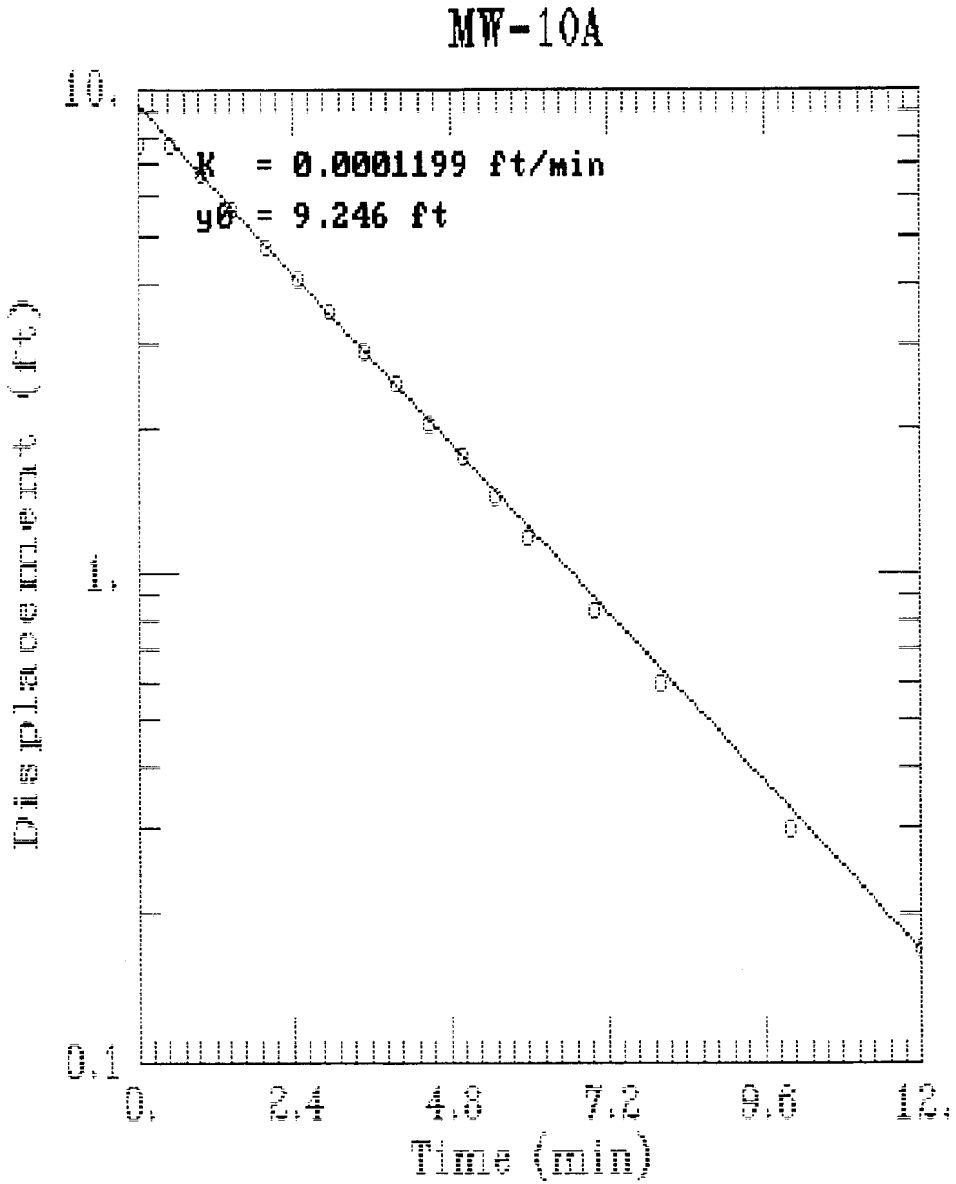

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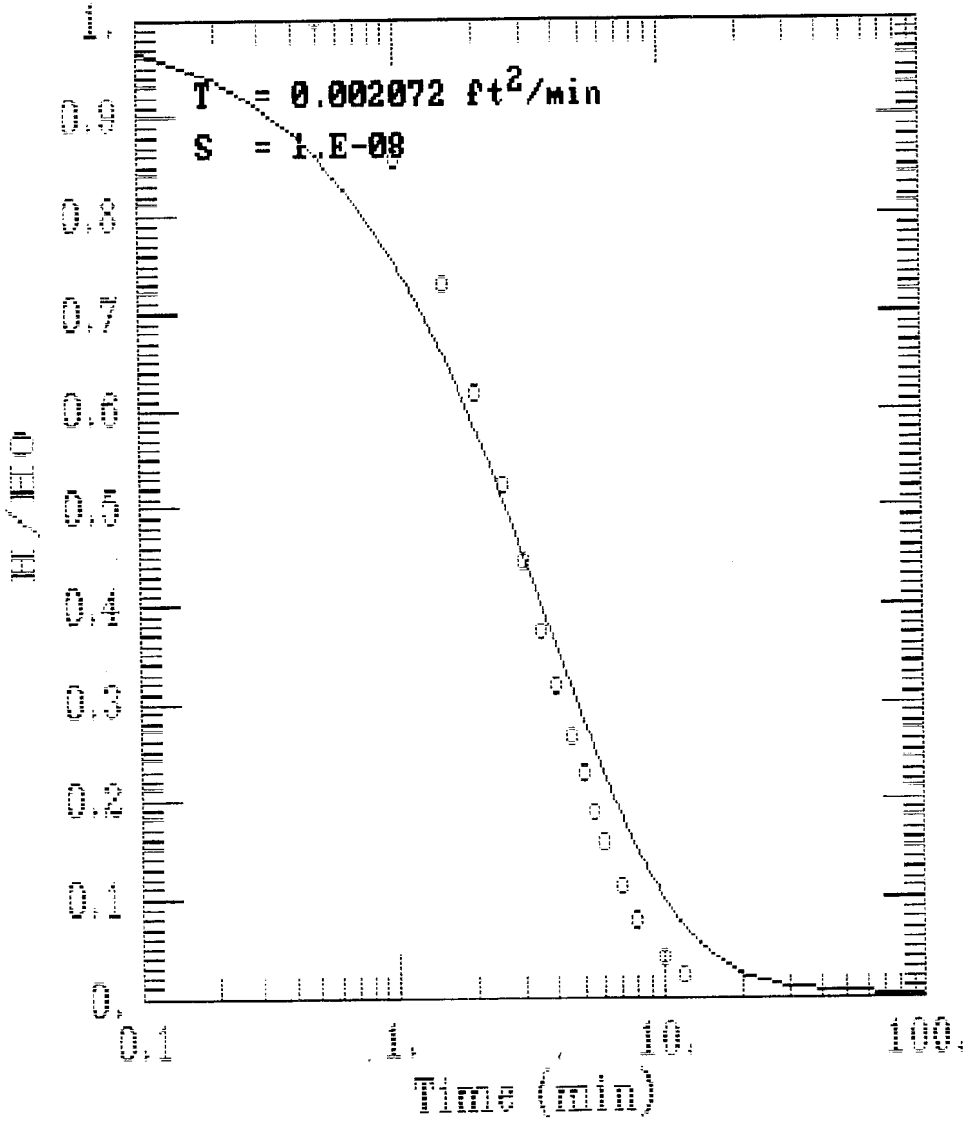
MW-10A



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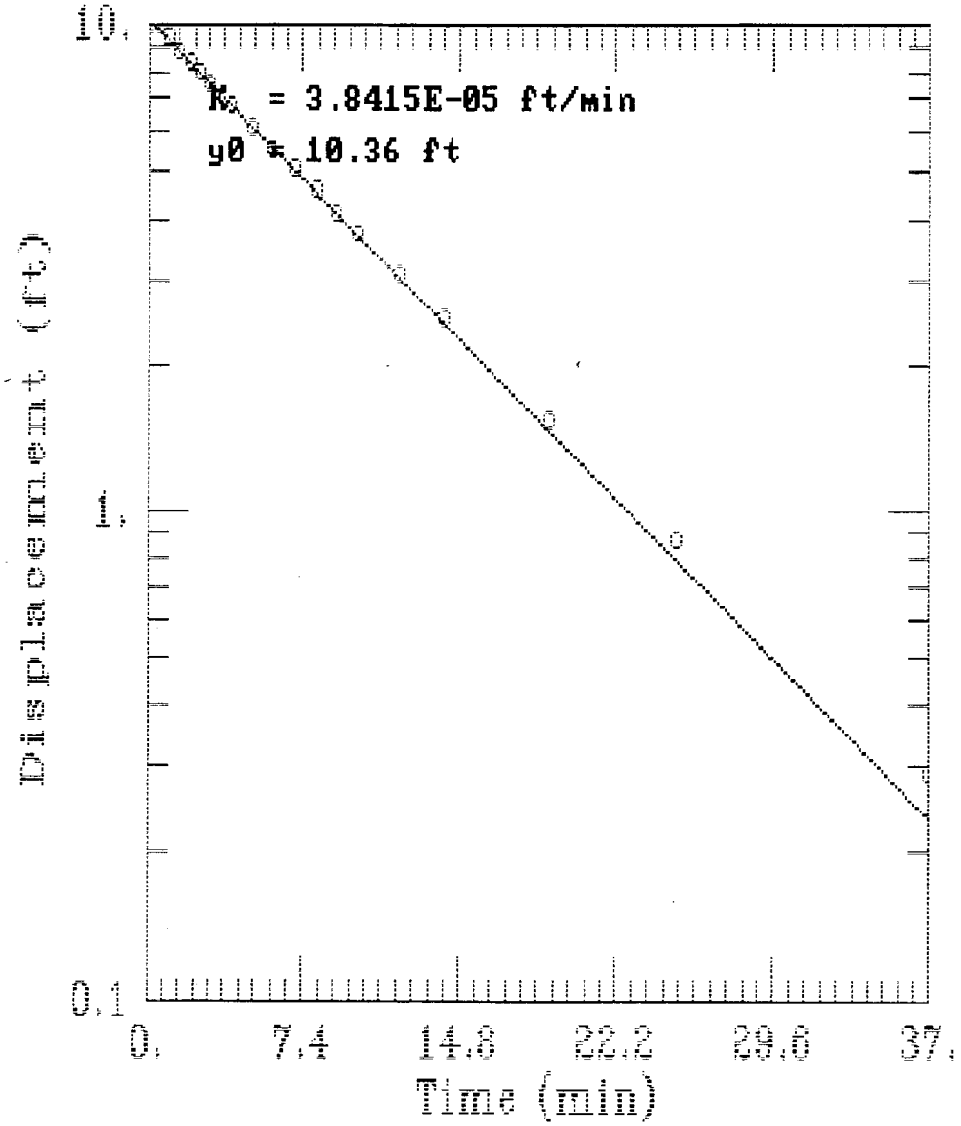
MW-12A



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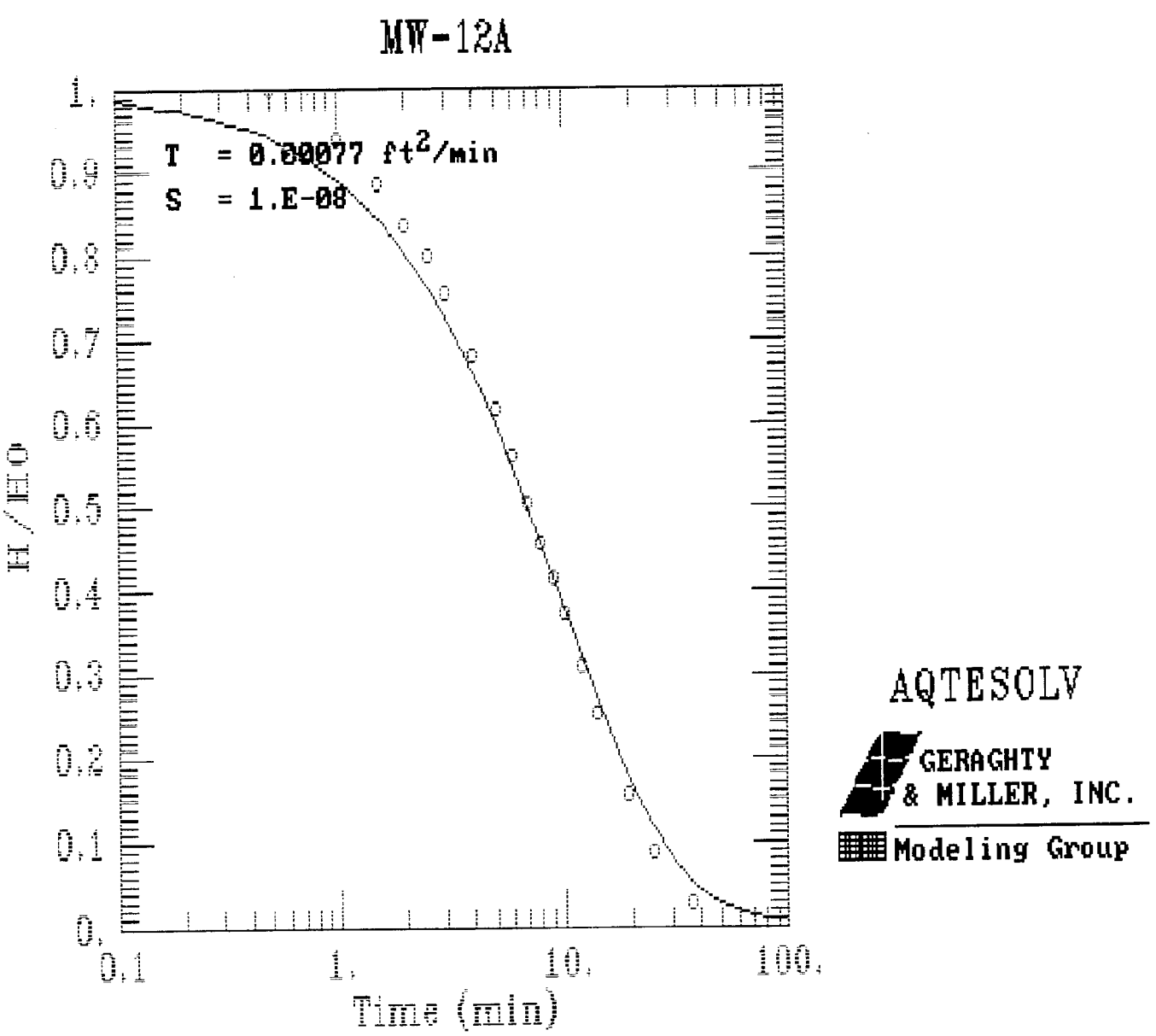
Modeling Group


MW-12A
T = 0.00077 ft²/min
S = 1.E-08
H / H0
1.
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.
0.1
1.
10.
100.
Time (min)
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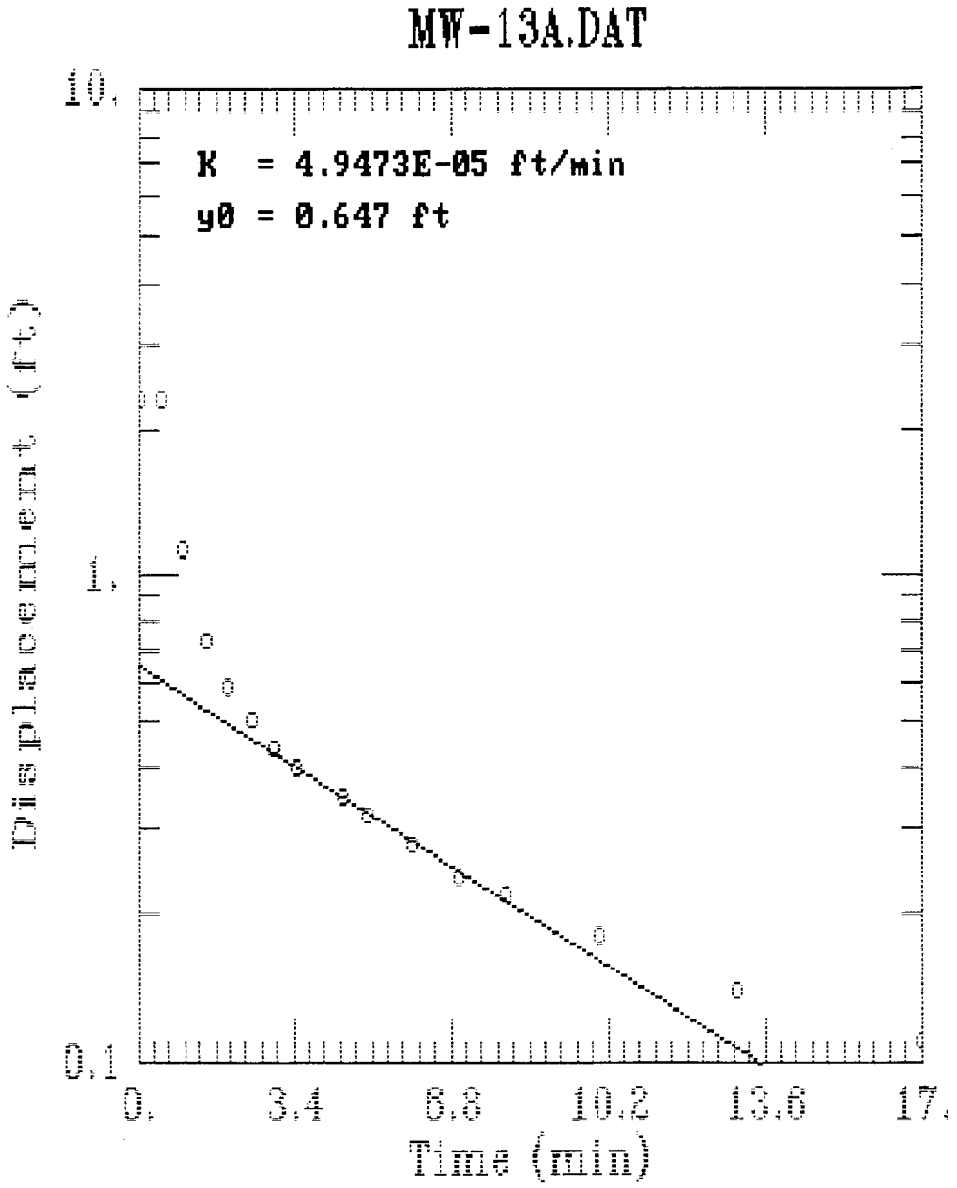
GERAGHTY
& MILLER, INC.
Modeling Group



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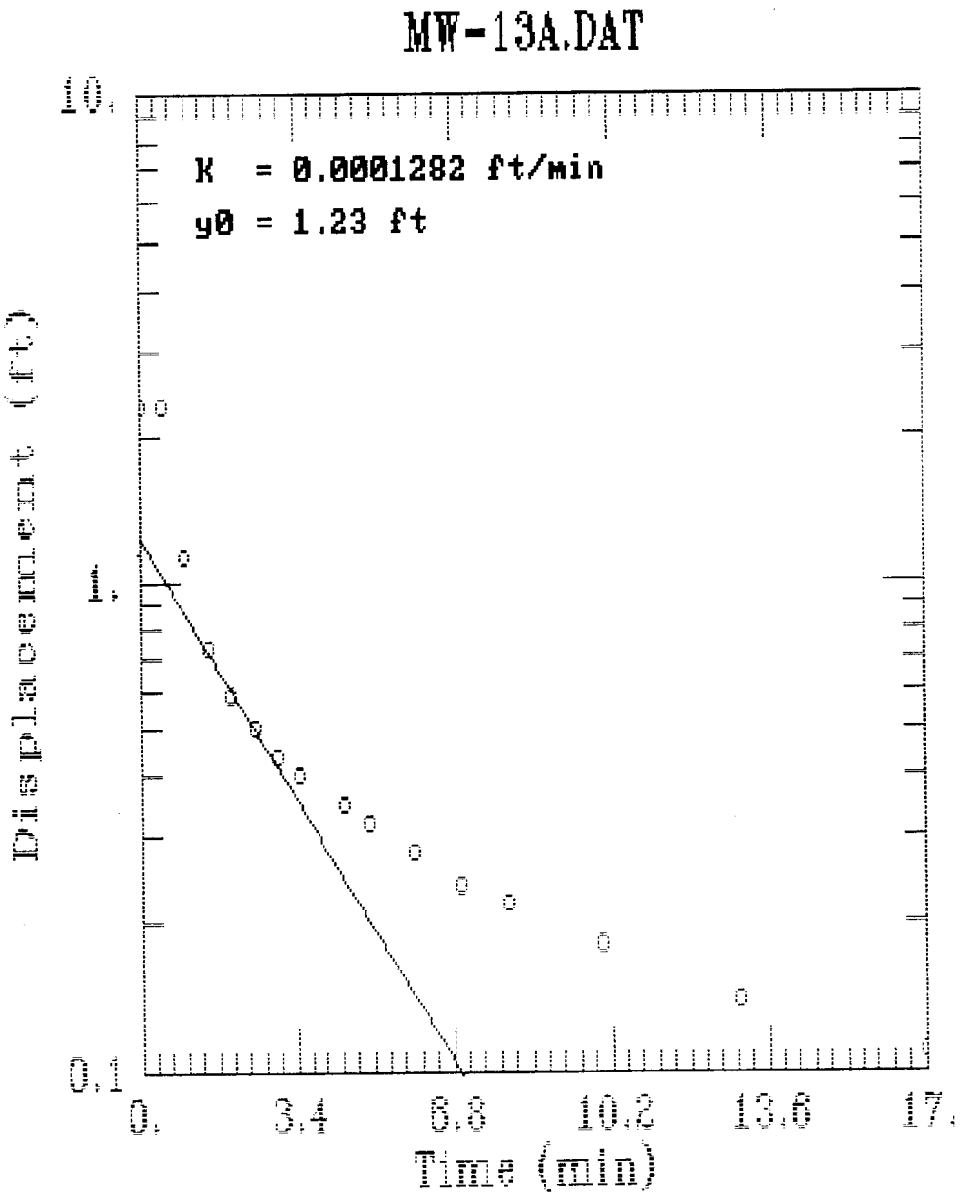
Modeling Group



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Modeling Group

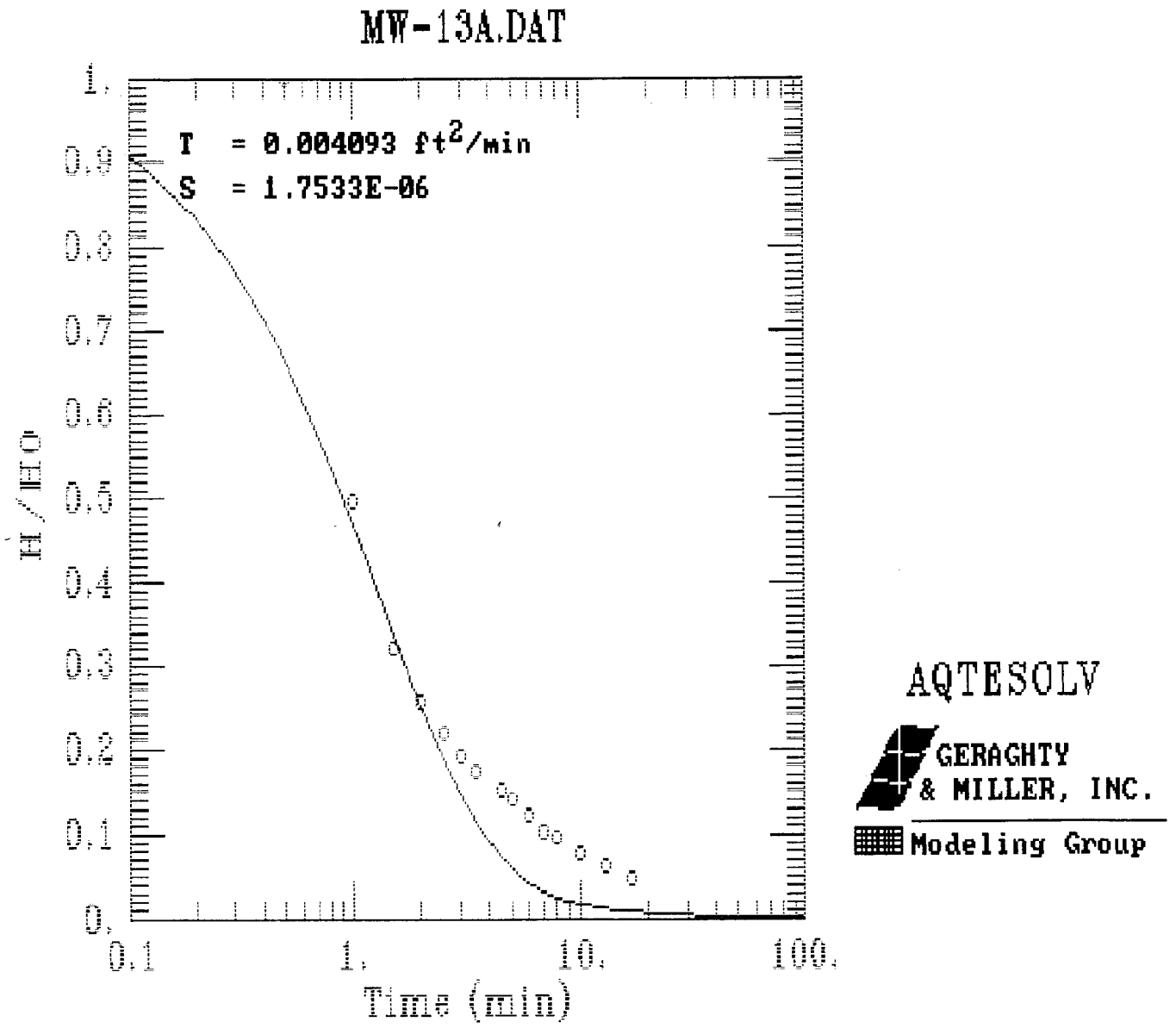

MW-13A.DAT
T = 0.004093 ft²/min
S = 1.7533E-06
H / H0
1.
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.
0.1
1.
10.
100.
Time (min)
AQTESOLV
GERAGHTY
& MILLER, INC.
Modeling Group

TABLE F-1
CALCULATION OF SOIL POROSITY
PBWO-CASCO SITE

SAMPLE	SAMPLE DIAMETER (ft)	SAMPLE LENGTH (ft)	SAMPLE VOLUME (ft^3)	DRY WT. (gm)	DRY BULK DENSITY (lb/ft^3)	POROSITY	GEOLOGIC DESCRIPTION
MW-10 (4-6ft)	0.125	0.5	6.13E-03	284	101.9	38.3%	F. SAND
MW-10 (10-12ft)	0.125	0.35	4.29E-03	271	138.9	15.9%	SANDY TILL
MW-13 (3-5 ft)	0.125	0.5	6.13E-03	294	105.5	36.1%	F. SAND
MW-13 (9-11 ft)	0.125	0.5	6.13E-03	365	130.9	20.7%	SANDY TILL
					Mean Porosity:	**27.7%**	

NOTES: 1. Samples collected from split spoon sampler.
2. Porosity calculated as = 1-(Dry Bulk Density/Water Density*Specific Gravity) where Specific Gravity is estimated to be 2.65 (predominantly sand). See: Sevee (1991), Chapter 10, EQN 10.7.

Drumlin Environmental, LLC
Hydrogeologic and Engineering Consultants
Phone: (207)771-5546
Fax (207)771-5547
E-mail info@drumlinllc.com

CALCULATION SHEET - BEDROCK POROSITY

Site: CASCO - PBWC
Prepared by: MDR

From Reynolds, Escher, Thomas - 1988

$$b = \left(\frac{12 \cdot L \cdot \nu \cdot k}{g \cdot N}\right)^{1/3}$$

b = aperature width
K = hydraulic conductivity (m/d)
L = interval (m)
N = # fractures
$g = 7.31 \times 10^{10}$ m/d²
$\nu = 9.95 \times 10^{-2}$ m²/d

- Select BEDROCK wells w/ MINIMAL RUBBLE ZONE W/in SCREEN + SAND PACK SO that ESTIMATE of N is most FEASIBLE. ASSUME ALL CORE BREAKS ARE FRACTURES WHERE LOGS SAY RUBBLE - USE 1 FRACTURE EVERY 0.1 FT

Well	L (m)	k (m/d)	N (see boring Logs)	b (μm)
17A	3.96	1.63	53	127
18A	3.96	3.39	24	213
16A	4.57	0.485	65	79

Drumlin Environmental, LLC
Hydrogeologic and Engineering Consultants
Phone: (207)771-5546
Fax (207)771-5547
E-mail info@drumlinllc.com

CALCULATION SHEET – BEDROCK POROSITY

Site: CASCO PLUD
Prepared by: MDR

FROM REYNOLDS, ESCHNER, THOMAS, 1988

$$n = \frac{b \cdot N}{L}$$

n = POROSITY

WELL	L	N	b (m)	n
17A	3.96	53	1.27×10^{-4}	0.002
18A	3.96	24	2.13×10^{-4}	0.001
16A	4.57	65	7.9×10^{-5}	0.001

BEDROCK POROSITY ESTIMATE = 0.001 – 0.002

Analytical Lab
Maine Soil Testing Service

1865 THE UNIVERSITY OF MAINE

5722 Deering Hall
Orono, Maine 04469-5722
Tel: 207-581-2917
Tel: 207-581-2945
anlab.umesci.maine.edu

March 28, 2002

Matt Reynolds
Drumlin Environmental
PO Box 392
Portland ME 04112-0392

Sample type - soil
Analysis - moisture,Walkley-Black carbon

Job # 304

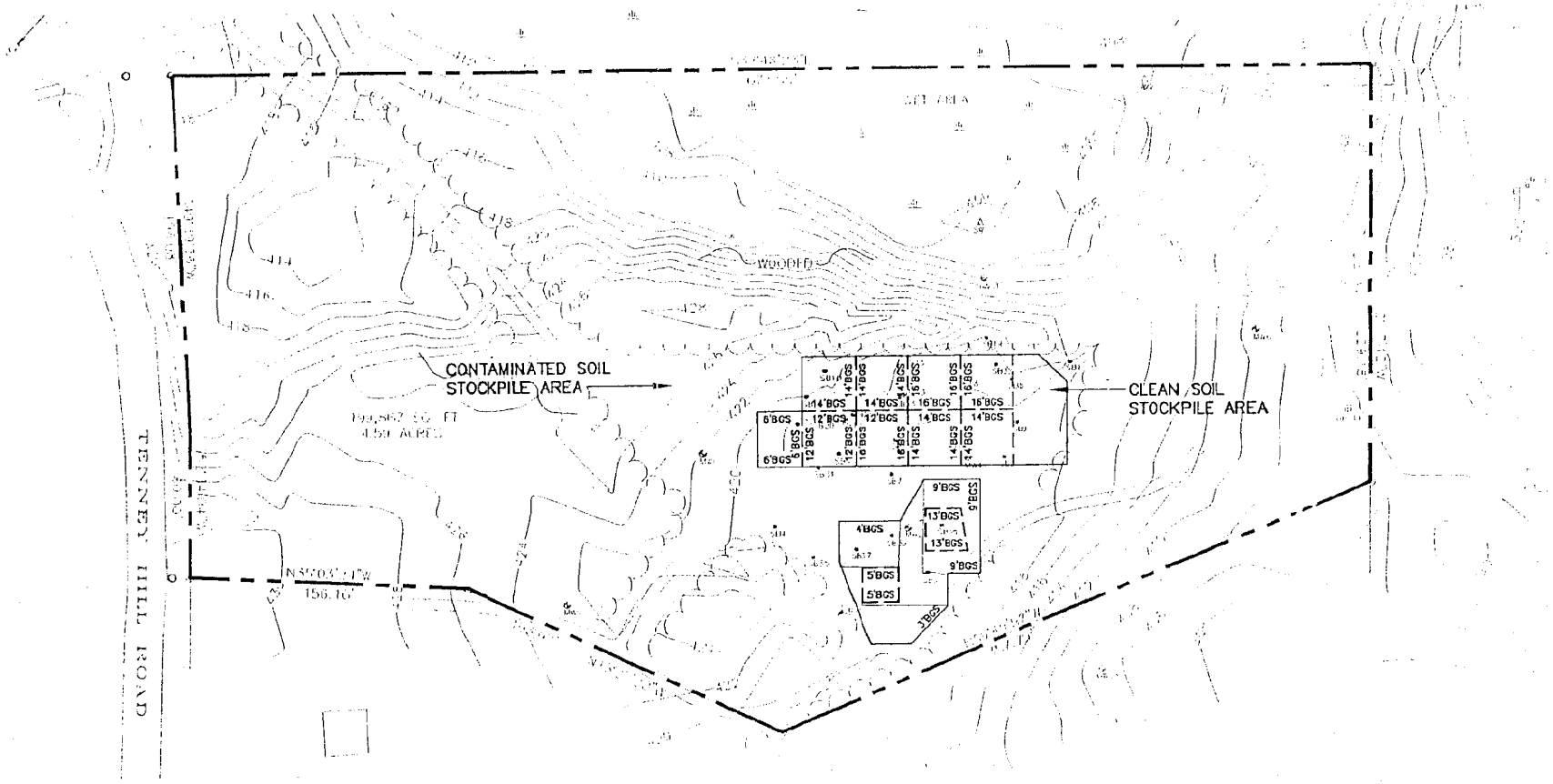
Sample	total wet wt (gm)	total dry wt (gm)	% oxidizable organic C	% total organic C
MW-10A 4-6 ft	344	284	0.04	0.05
MW-10A 10-12 ft	293	271	0.04	0.05
MW-13A 3-5 ft	358	294	0.07	0.09
MW-13A 9-11 ft	399	365	< 0.01	< 0.01

Wet weight (as received) and dry weight are reported for the entire sample in grams. Oxidizable organic carbon was run on < 2 mm fraction by the Walkley-Black method. Reported values are means of duplicate analysis. Total organic C is estimated as 1.3 times oxidizable C.

Bruce Hoskins
Assistant Scientist

APPENDIX G

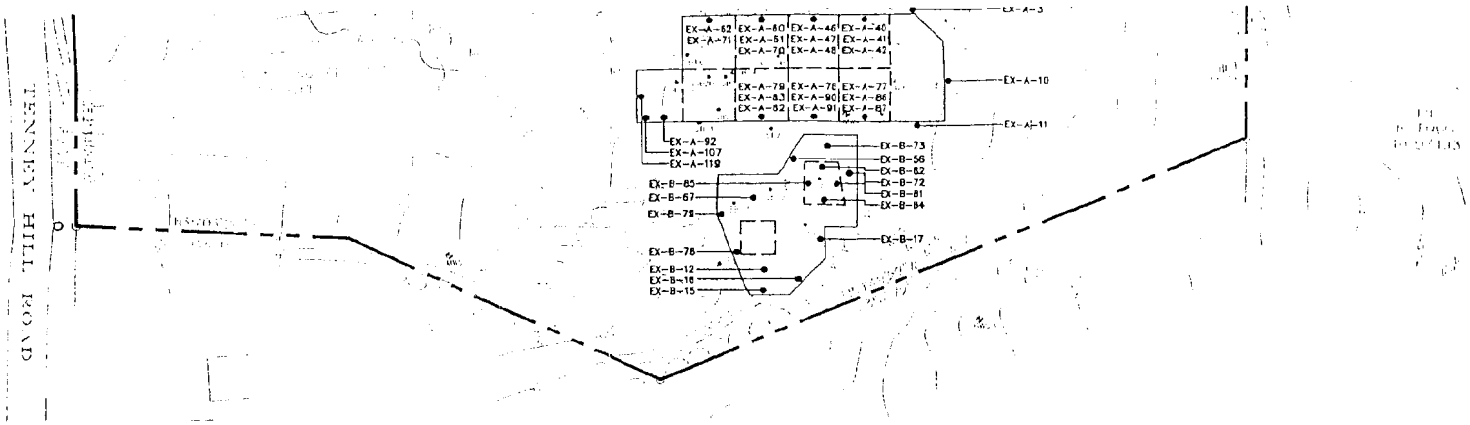
ESN NORTHATLANTIC FIELD LABORATORY REPORTS



EXCAVATION DEPTHS

SCALE: 1" = 60'

From Figure 3



SAMPLE	BGS	MOBILE LAB			EER XRF
		SUM PCBs	TCE	PCE	LEAD
EX-A-3	4'	BDL	BDL	BDL	BDL
EX-A-10	2'	BDL	BDL	BDL	BDL
EX-A-11	2'	BDL	BDL	BDL	BDL
EX-A-40	4'	BDL	BDL	BDL	BDL
EX-A-41	8'	BDL	0.15	BDL	BDL
EX-A-42	12'	BDL	0.80	0.30	BDL
EX-A-46	4'	BDL	BDL	BDL	BDL
EX-A-47	8'	BDL	BDL	BDL	BDL
EX-A-48	12'	BDL	0.10	BDL	38.57
EX-A-60	4'	BDL	BDL	BDL	BDL
EX-A-61	8'	BDL	BDL	BDL	BDL
EX-A-62	4'	BDL	BDL	BDL	32.29
EX-A-70	12'	BDL	0.40	0.05	BDL
EX-A-71	12'	BDL	0.01	BDL	BDL
EX-A-77	4'	BDL	BDL	BDL	BDL
EX-A-78	4'	BDL	BDL	BDL	BDL
EX-A-79	4'	BDL	0.028	0.004	BDL
EX-A-82	12'	BDL	0.025	0.004	BDL
EX-A-83	8'	BDL	BDL	BDL	BDL
EX-A-86	8'	BDL	BDL	BDL	34.25
EX-A-87	12'	BDL	0.003	0.069	38.84
EX-A-90	8'	BDL	BDL	BDL	46.39
EX-A-91	12'	BDL	BDL	BDL	BDL

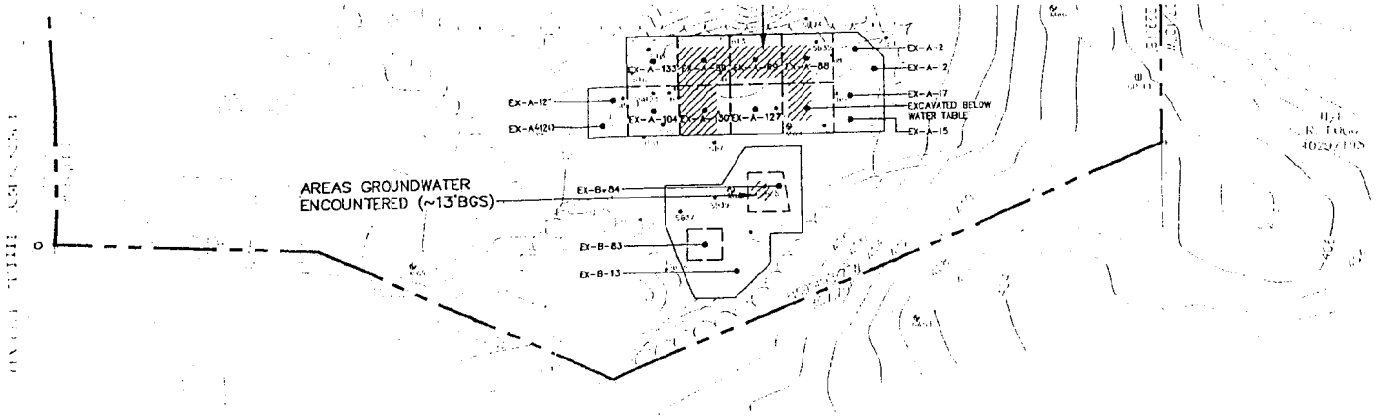
SAMPLE	BGS	MOBILE LAB			EER XRF
		SUM PCBs	TCE	PCE	LEAD
EX-A-92	6'	BDL	BDL	BDL	31.89
EX-A-107	3'	1.19	BDL	0.87	BDL
EX-A-119	3'	BDL	BDL	0.86	100.03
EX-B-12	3'	BDL	BDL	BDL	44.46
EX-B-15	2'	BDL	BDL	BDL	BDL
EX-B-16	2'	BDL	BDL	BDL	BDL
EX-B-17	2'	BDL	BDL	BDL	BDL
EX-B-56	4'	0.17	BDL	0.14	167.55
EX-B-67	3'	BDL	BDL	TRACE	44.04
EX-B-72	9'	BDL	BDL	BDL	BDL
EX-B-73	9'	BDL	BDL	TRACE	34.89
EX-B-78	2'	0.2	BDL	0.7	63.58
EX-B-79	2'	BDL	BDL	TRACE	BDL
EX-B-81	10'	BDL	BDL	TRACE	BDL
EX-B-82	10'	BDL	BDL	TRACE	BDL
EX-B-83	9'	BDL	BDL	TRACE	BDL
EX-B-84	9'	BDL	BDL	BDL	34.66
EX-B-85	9'	1.685	BDL	0.3	BDL

NOTES

1. ALL RESULTS REPORTED IN MG/KG.
2. DETECTION LIMITS VARY.
3. SELECTED SAMPLING LOCATIONS ANALYZED BY FIELD LABORATORY OR MAINE ENVIRONMENTAL LAB (MEL).

CONFIRMATORY SAMPLING - WALLS OF EXCAVATION

FROM FIGURE 3



SAMPLE	BGS	MEL			
		SUM PCBs	TCE	PCE	LEAD
EX-A-2	3'	BDL	BDL	BDL	BDL
EX-A-12	4'	0.21	BDL	BDL	BDL
EX-A-15	2'	BDL	BDL	BDL	BDL
EX-A-17	4'	BDL	BDL	BDL	BDL
EX-A-69	14'	BDL	0.17	0.07	BDL
EX-A-88	16'	BDL	BDL	BDL	36
EX-A-89	14'	BDL	0.71	0.05	34
EX-A-104	12'	0.1	BDL	BDL	40
EX-A-120	6'	BDL	BDL	BDL	42
EX-A-121	6'	BDL	BDL	BDL	BDL
EX-A-127	14'	BDL	0.12	BDL	39
EX-A-130	14'	BDL	BDL	BDL	BDL
EX-A-133	14'	0.08	0.14	BDL	33
EX-B-13	3'	BDL	BDL	BDL	BDL
EX-B-83	5'	BDL	BDL	BDL	BDL
EX-B-84	9'	BDL	0.71	0.05	35

CONFIRMATORY SAMPLING - FLOOR OF EXCAVATION

FROM FIGURE 3

ESN North Atlantic

Environmental Services Network

Direct Push Sampling
In-Situ Remediation

Mobile & Fixed Base Chemical Analysis
Integrated Site Characterization

Chemical Analysis Summary Report

Client: **Drumlin Environmental**
Project Date: December 2001
Report Date: January 2002
Project Name: Portland Bangor waste Oil – Casco Site
Project Identification: DrumPortWaste1201

ESN North Atlantic
800-880-0533

PO Box 6752
Fax: 207-883-1912

Scarborough, ME 04070
info@esnnorth.com

Project Summary:

ESN North Atlantic collected twenty one surface and groundwater samples from areas of the site down gradient from the disposal area. The samples were analyzed on-site using ESN North Atlantic's mobile laboratory for selected target compounds.
The chemical data generated was transmitted immediately to Drumlin staff on-site.

Sample Collection Summary:

The ground water samples were collected using either hydraulic direct push or hand installed small diameter tooling. A slotted well screen was placed below grade in the water table. A peristaltic pump and tubing was used to purge the screen and then used to sample the location.

The samples collected ranged in depth from 3 to 22 feet below grade.

Chemical Analysis Summary:

Equipment: Gas chromatograph: HP-5890,

GC Detectors: Electron capture (ECD) and photoionization (PID) detectors

GC Column: VOCOL 60 meter, .53 um capillary column.

Sample preparation: The samples submitted for chemical analysis were prepared for analysis using a Tekmar 3000 purge and trap concentration system. 10 mL of the sample were purged and trapped to the GC column.

Target Compound List: selected compounds from #8021B target list. Prior to analysis the GC system was calibrated for the selected volatile compounds with a resulting compound reporting limit of 1 ug/L for each.

Method: USEPA SW-846 #8021B, modified for this project was followed. The major modifications were the use of the ECD detector in place of an ELCD detector; the ECD used is more sensitive to the target compounds. A three to five point calibration for each of the target compounds was completed prior to sample analysis; the calibration curves were used to determine concentration for each target compound detected.

QC Analysis Summary: The method blank analyzed prior to the first sample was below reporting limits for all of the target compounds. A continuing calibration check analysis confirmed the system was stable and in acceptable calibration/operating limits.
Each sample had a surrogate compound added prior to analysis; the recovery percentage for each sample was within the recommended limits of 50-175%.

One duplicate sample was analyzed, SW-4, the data comparison indicates that the duplicate analysis concentrations were within 10-15% of the original sample, indicating very good duplication.

Analysis Summary: All of the twenty one samples had detectable concentrations of the target compounds present in the sample, ranging from 2.2 to 13000 ug/L.

The chemical concentrations presented in the Certificates of Analysis are concluded to be accurate and representative of the surface and ground water concentrations present at the site in December 2001 based on the quality control data and analysis program completed for this project.

Quality Control Analysis/Deliverable Package:

The QA/QC program selected and the deliverable package provided for this project is highlighted below:

QC Analysis performed	ESN ChemExpress™		
Multi-level calibration (3 –5 point)	✓		
Corrected for dry weight - Solids Data	✓		
Surrogate analysis	✓		
Opening Calibration check	✓		
Sample duplicate analysis			
System/method Blanks			
Closing Calibration check			
Re-analysis, sample dilution			
Matrix spike/matrix spike duplicate			
Internal replicate analysis			
Immediate data flagging			
Laboratory Control Sample (LCS)			

Data package/deliverables provided	ESN ChemExpress™		
Data summary table	✓		
Chromatograms	✓		
QA/QC narrative report (summary)	✓		
QA/QC narrative report (detailed)			
Sample Chain of custody records			
Data summary narrative report			
Data qualifiers - QA/QC analysis			
Copy of Log book			
Analysis Run log			
Sample preparation log			

ESN Environmental Services Network North Atlantic

Certificate of Analysis

Sample Identification	Method Blank
Depth (ft)	NA
Sample Matrix	QC
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	
Date Sampled	12/19/01
Date Analyzed	12/19/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		<
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichloropropene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		<
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		<
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	99
PID-BFB	82

Notes:

Chemist/Reviewer:

Date: 1/3/02

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North Atlantic

Certificate of Analysis

Sample Identification	MW-6
Depth (ft)	NA
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	100
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		1500
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		420
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		4500
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	116
PID-BFB	103

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-11
Depth (ft)	14.5'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		3.8
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		26
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		46
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		3.5
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	116
PID-BFB	90

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-14
Depth (ft)	12-14'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	100
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		**2500**
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		**500**
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		**880**
1,1,2-Trichloroethane	1		<
Trichloroethene	1		**13000**
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	113
PID-BFB	94

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-14
Depth (ft)	16-18'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	100
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2.-Dichloroethene	1		1700
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichloropropene	1		<
cis-1,3.-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		300
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		250
1,1,2-Trichloroethane	1		<
Trichloroethene	1		4900
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	128
PID-BFB	136

Notes:

Chemist/Reviewer:

Date: 1/3/02

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ESN Environmental Services Network
North Atlantic

Certificate of Analysis

Sample Identification	GP-12
Depth (ft)	14-16'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	50
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		230
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichloropropene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		86
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		7.9
1,1,2-Trichloroethane	1		<
Trichloroethene	1		320
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	132
PID-BFB	150

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-12
Depth (ft)	20-22'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	10
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		<
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		**9.3**
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		**21**
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	134
PID-BFB	114

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-13
Depth (ft)	16-18'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		7.8
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		2.5
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		7.1
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	75
PID-BFB	105

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Sample Identification	SW-3
Depth (ft)	NA
Sample Matrix	surface water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		4.1
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		<
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		4.5
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	124
PID-BFB	124

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-15
Depth (ft)	7.5-9.5'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	10
Sample Preservation	
Sample Volume	40 ml.
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2-Dichloroethene	1		200
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3 -Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		460
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		42
1,1,2-Trichloroethane	1		<
Trichloroethene	1		700
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	124
PID-BFB	123

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-16
Depth (ft)	8-10'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	10
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2-Dichloroethene	1		120
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		30
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		27
1,1,2-Trichloroethane	1		<
Trichloroethene	1		340
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	125
PID-BFB	125

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	SW-4
Depth (ft)	NA
Sample Matrix	surface water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		12
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		3.2
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		2.9
1,1,2-Trichloroethane	1		<
Trichloroethene	1		38
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	101
PID-BFB	82

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	SW-4 Duplicate
Depth (ft)	NA
Sample Matrix	surface water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2-Dichloroethene	1		15
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichloropropene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		3.5
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		3.4
1,1,2-Trichloroethane	1		<
Trichloroethene	1		43
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	118
PID-BFB	108

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-17
Depth (ft)	8-10'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/20/01
Date Analyzed	12/20/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		<
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		8.3
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		3.8
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	119
PID-BFB	111

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-18
Depth (ft)	0-3'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		9.9
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		2.5
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		17
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	122
PID-BFB	112

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Sample Identification	**SW-5**
Depth (ft)	**NA**
Sample Matrix	surface water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	**Drumlin Environmental**
Site:	**Portland-Bangor Waste Oil**
Loc.:	**Casco, ME**
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		<
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		<
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		3.1
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	121
PID-BFB	115

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-19
Depth (ft)	7-9'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		32
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		14
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		15
1,1,2-Trichloroethane	1		<
Trichloroethene	1		150
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	127
PID-BFB	124

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-20
Depth (ft)	7-9'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		91
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		140
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichloropropene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		32
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		35
1,1,2-Trichloroethane	1		<
Trichloroethene	1		620
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	127
PID-BFB	110

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	SW_6
Depth (ft)	NA
Sample Matrix	surface water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL		Results
	ug/L		
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL		Results
	ug/L		
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		<
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL		Results
	ug/L		
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		<
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		2.6
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	120
PID-BFB	114

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-21
Depth (ft)	7-9'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		6.6
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		4.3
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		2.2
1,1,2-Trichloroethane	1		<
Trichloroethene	1		37
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		23
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	128
PID-BFB	134

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-22
Depth (ft)	7-9'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml.
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		7.8
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		3.4
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		2.5
1,1,2-Trichloroethane	1		<
Trichloroethene	1		35
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		3.5
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

	ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	124
PID-BFB	123

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-23
Depth (ft)	6-8'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml.
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		<
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		<
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichloropropene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		<
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		<
1,1,2-Trichloroethane	1		<
Trichloroethene	1		**2.9**
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		**3.3**
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	125
PID-BFB	126

Notes:

Chemist/Reviewer:

Date: 1/3/02

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Certificate of Analysis

Sample Identification	GP-24-01
Depth (ft)	7-9'
Sample Matrix	water
Units:	ug/L
Solids, %	NA
Dilution	1
Sample Preservation	
Sample Volume	40 ml
Date Sampled	12/21/01
Date Analyzed	12/21/01

Client:	Drumlin Environmental
Site:	Portland-Bangor Waste Oil
Loc.:	Casco, ME
Project No.:	
Lab ID:	Drumlin1201
Chemist:	D. Twomey

Method:
USEPA SW846 METHOD 8021B

Compound	RL ug/L		Results
Benzene	1		<
Bromobenzene	1		<
Bromochloromethane	1		<
Bromodichloromethane	1		<
Bromoform	1		<
Bromomethane	1		<
n-butylbenzene	1		<
sec-butylbenzene	1		<
tert-butylbenzene	1		<
Carbon tetrachloride	1		<
Chlorobenzene	1		<
Chloroethane	1		<
Chloroform	1		<
Chloromethane	1		<
2-Chlorotoluene	1		<
4-Chlorotoluene	1		<
Dibromochloromethane	1		<
1,2-Dibromo-3-chloropropane	1		<
1,2-Dibromoethane	1		<
Dibromomethane	1		<

Compound	RL ug/L		Results
1,2-Dichlorobenzene	1		<
1,3-Dichlorobenzene	1		<
1,4-Dichlorobenzene	1		<
Dichlorodifluoromethane	1		<
1,1-Dichloroethane	1		480
1,2-Dichloroethane	1		<
1,1-Dichloroethene	1		<
cis-1,2,-Dichloroethene	1		470
trans-1,2-Dichloroethene	1		<
1,2-Dichloropropane	1		<
1,3-Dichloropropane	1		<
2,2-Dichloropropane	1		<
1,1-Dichlororopene	1		<
cis-1,3,-Dichloropropene	1		<
trans-1,3-Dichloropropene	1		<
Ethylbenzene	1		<
Hexachlorobutadiene	1		<
Isopropylbenzene	1		<
4-Isopropyltoluene	1		<
Methylene chloride	5		<

Compound	RL ug/L		Results
Naphthalene	1		<
n-propylbenzene	1		<
Styrene	1		<
1,1,1,2-Tetrachloroethane	1		<
1,1,2,2-Tetrachloroethane	1		<
Tetrachloroethene	1		66
Toluene	1		<
1,2,3-Trichlorobenzene	1		<
1,2,4-Trichlorobenzene	1		<
1,1,1-Trichloroethane	1		51
1,1,2-Trichloroethane	1		<
Trichloroethene	1		1200
Trichlorofluoromethane	1		<
1,2,3-Trichloropropane	1		<
1,2,4-Trimethylbenzene	1		<
1,3,5-Trimethylbenzene	1		<
Vinyl chloride	1		<
o-Xylene	1		<
m/p-Xylenes	1		<

Other Target Compounds:

	ug/L		
MTBE	1		<

ug/L	mg/L	

Surrogate Recovery Data:	%
ECD-BFB	136
PID-BFB	163

Notes:

Chemist/Reviewer:

Date: 1/3/02

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APPENDIX H

FIELD SAMPLING FORMS

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-11A TIME: Start: 0835 End: 0907

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 5.79
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
8	2 L	250 ml/min	6.97	7.72	6.13	162	6.3	174	48
12	3 L		6.98	7.8	6.61	160	5.44	159	21
15	3.75 L		6.99	7.82	6.83	160	5.36	151	6
20	5 L		7.05	7.88	7.06	160	5.41	140	0
25	6.25 L		7.03	7.9	7.23	159	5.41	130	0
30	7.5 L	↓	7.03	7.83	7.35	159	5.40	126	0

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-15B TIME: Start: 0912 End: 0957

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 7.72
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
		250ml/min	8.22	5.3	7.18	068	6.30	131	74
14	3.5L		8.40	5.27	6.41	064	5.10	147	22
19	4.75L		8.48	5.30	6.19	069	5.04	157	15
24	6 L		8.48	5.30	6.01	069	4.92	168	9
29	7.25L		8.43	5.38	5.94	070	4.68	174	7
34	8.5L	↓	8.43	5.41	5.92	071	4.76	176	7

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-14B TIME: Start: 1012 End: 1037

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 3.66
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.38 L	275 ml/min	3.95	5.28	5.73	064	0	96	12
12	3.3 L		3.99	5.38	5.40	061	0	104	9
16	4.4 L		3.99	5.40	5.40	061	0	102	6
22	6.05 L	↓	3.99	5.39	5.41	062	0	102	5

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-12A TIME: Start: 1102 End: 1136

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 11.78

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
3	0.45 L	150ml/min	16.55	7.45	6.1	137	6.49	72	35
8	1.2 L	↓	16.93	7.44	6.6	137	5.1	67	30
13	1.95 L	↓	17.05	7.44	6.85	135	5.26	68	21
18	1.8 L	100ml/min	16.65	7.39	7.03	135	5.25	71	10
23	2.3 L	↓	16.20	7.41	7.19	137	5.39	76	8
28	2.8 L	↓	16.25	7.26	7.26	150	5.2	79	6
33	3.3 L	↓	16.60	7.45	7.32	161	4.55	80	5

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-13A TIME: Start: 1152 End: 1219
Dup-1-0502

WELL DATA:

WELL DEPTH (ft): NM
WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
DEPTH TO WATER (ft): 7.71
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO
HEIGHT OF WATER (ft): NM

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No
SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.25 L	250 ml/min	8.25	7.63	7.14	143	5.80	104	500
12	3 L	↓	8.45	7.79	7.09	149	4.78	103	130
17	4.25 L	↓	8.40	7.82	7.11	151	4.69	103	44
22	5.5 L	↓	8.55	7.91	7.12	151	4.68	103	23
26	6.5 L	↓	8.55	7.99	7.15	151	4.60	102	23

PURGE OBSERVATIONS: _____

SAMPLES: 8 HCl VOA vials + 1 1L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-6 TIME: Start: 1235 End: 1306

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 5.45
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 3/4"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
7	1.75 L	250 ml/min	5.65	6.85	7.06	022	7.77	116	35
17	4.25 L	↓	5.65	6.84	5.63	021	6.67	180	58
20	5 L		5.80	6.88	5.40	022	6.46	193	34
25	6.25 L		5.65	6.95	5.28	023	6.20	202	14
30	7.5 L		5.65	6.86	5.24	023	6.25	208	5

PURGE OBSERVATIONS: _____

SAMPLES: 4 HCl VOA vials + 1L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-13B TIME: Start: 1549 End: 1605

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 6.90

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
3	0.6 L	200 ml/min		7.75	6.0	047	6.8	166	77
7	1.4 L		7.10	8.02	5.70	047	6.61	177	37
10	2 L		7.05	7.80	5.57	046	6.51	184	17
13	2.6 L		7.05	7.87	5.55	046	6.39	187	8
16	3.2 L	↓	7.05	7.89	5.53	046	6.30	188	12

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-10A TIME: Start: 1340 End: 1412

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 13.70
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
3	0.83 L	275 ml/min	15.45	8.52	6.08	145	6.58	180	11
14	3.85 L	↓	15.64	8.69	6.81	137	6.75	148	3
19	5.23 L		15.70	8.66	6.94	137	6.70	159	1
25	6.88 L		15.73	8.69	7.09	138	6.62	129	3
30	8.25 L		15.74	8.66	7.15	138	6.63	126	0

PURGE OBSERVATIONS: _____

SAMPLES: 4 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 5/1/02

SAMPLE LOCATION: MW-10B TIME: Start: 1418 End: 1451

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 14.15

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1 L	200 ml/min	14.70	7.73	7.34	041	10.37	119	14
10	2 L		15.10	7.36	7.1	034	9.74	121	26
16	3.2 L		15.45	7.50	6.97	036	9.95	126	15
21	4.2 L		15.70	7.66	6.89	037	9.5	129	11
25	5 L		15.84	7.82	6.82	040	9.49	130	10
30	6 L	↓	16.04	8.10	6.77	042	9.34	131	8

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-10B TIME: Start: 0955 End: 1037

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 13.12
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
10	2L	200ml/Min	14.3	5.0	6.2	040	NM	189	
15	3L	↓	14.7	5.1	6.3	040	"	182	
20	4L		15.05	5.0	6.3	040	"	162	
30	6L		15.2	5.0	6.8	040	"	108	1.5
40	8L		15.2	5.2	6.9	030	4.0	117	1.8
		↓							

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCL VOA vials + 1 HNO3 Poly for PS.

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW - 10A TIME: Start: 1018 End: 1058

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 12.96

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1 L	200 ml/min	14.25	6.0	6.3	130	NM	135	
15	3 L	↓	14.35	6.5	6.6	120	"	108	
20	4 L		14.45	6.9	6.8	120	"	109	
25	5 L		14.50	7.1	7.1	120	"	91	1.1
30	6 L		14.55	7.3	7.1	120	5.0	87	0.7

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-11A TIME: Start: 1103 End: 1130

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 5.65

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.38 L	275 ml/min	6.95	6.7	7.3	160		86	
15	4.13 L	↓	6.97	7.0	7.4	160		86	
25	6.88 L	↓	7.0	7.0	7.5	160	4.0	87	0.7

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-12A TIME: Start: 1129 End: 1207

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 11.36

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
10	1 L	100 ml/min	21.15	6.7	7.6	120	NM	91	
20	2 L	↓	19.0	6.1	7.8	120	"	95	
30	3 L	↓	19.5	6.6	7.9	120	"	98	1.4
40	4 L	↓	19.5	6.4	7.8	120	4.0	102	0.95

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-6 TIME: Start: 1201 End: 1235

WELL DATA:

WELL DEPTH (ft): NM
WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
DEPTH TO WATER (ft): 5-6' (meter not responding consistently)
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO
HEIGHT OF WATER (ft): NM

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No
SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
15	3.38 L	225 ml/min		6.1	7.5	020	NM	101	
20	4.5 L		6.1	6.3	5.6	020	"	158	
25	5.63 L			6.0	5.2	020	"	205	0.75
30	6.75 L			6.3	5.1	020	4.0	215	0.5

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-14B TIME: Start: 1319 End: 1346

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 3.60

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.25 L	250 ml/min	4.0	3.0	5.1	050	NM	204	
10	2.5 L	↓	4.04	3.2	4.9	050	"	213	
15	3.75 L		4.06	3.1	4.9	040	"	218	13.1
25	6.25 L	↓	4.06	3.4	4.9	040	0.5	217	4.9

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-15B TIME: Start: 1353 End: 1420

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 7.48
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.13 L	225 ml/min	7.9	3.5	5.6	70	NM	195	
11	2.48 L	↓	8.05	3.9	5.6	70	"	198	3.4
20	4.5 L	↓	8.05	4.0	5.6	70	2.0	198	2.3

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW - 13 Y TIME: Start: 1442 End: 1540

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 6.27

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	0.75 L	150 ml/min	13.25	7.5	7.3	340	NM	95	180
15	2.25 L		13.75	7.7	7.4	290	"	83	
25	3.75 L		13.50	7.9	7.8	270	"	83	67
35	5.25 L		13.50	7.9	7.8	250	"	64	49
45	6.75 L		13.50	7.8	7.9	240	"	53	36
55	8.25 L		13.50	7.6	7.4	220	4.0	75	26

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-137 TIME: Start: 1433 End: 1510

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 6.50

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
6	1.35 L	225 ml/min	6.8	7.6	6.4	130	NM	141	0.3
20	4.5 L		6.9	7.9	7.2	130	"	95	
30	6.75 L		6.9	7.9	7.5	140	"	85	0.3
35	7.88 L	↓	6.9	7.9	7.7	140	3.0	81	

PURGE OBSERVATIONS: _____

SAMPLES: 4 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-13A
DUP-1-04-3

TIME: Start: 1524 End: 1536

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 7.61

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.25 L	250 ml/min	8.35	7.8	7.6	140	NM	65	
10	2.5 L		8.45	7.7	7.1	140	"	82	
20	5 L		8.55	7.7	7.0	140	"	87	0.8
30	7.5 L		8.55	7.8	6.9	140	5.0	82	1.46

PURGE OBSERVATIONS: _____

SAMPLES: 6 HCl VOA vials + 1 HNO_3 Poly for Pb

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/17/03

SAMPLE LOCATION: MW-13B TIME: Start: 1550 End: 1627

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 7.04

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
10	2.25 L	225 ml/min	7.3	6.2	5.6	020	NM	167	
20	4.5 L	↓	7.25	6.3	5.2	030	"	163	
25	5.63 L		7.25	6.7	5.1	030	"	203	1.1
30	6.75 L		7.25	6.4	5.1	030	"	206	
35	7.88 L		7.25	6.4	5.1	030	4.0	209	1.1

PURGE OBSERVATIONS: _____

SAMPLES: 4 HCl VOA vials + 1 L HCl DRO bottle + 1 HNO_3 Poly for Pb

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/18/03

SAMPLE LOCATION: MW-18A TIME: Start: 0944 End: 1024

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 9.43

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.38 L	275 ml/min	9.5	6.1	6.2	130	NM	53	
10	2.75 L		9.5	6.2	6.6	130	"	62	0.2
25	6.88 L		9.5	6.4	6.4	130	"	16	
35	9.63 L		9.5	6.6	7.1	120	"	-2	0.8
38	10.45 L		9.5	6.6	7.1	120	"	-3	
41	11.28 L	↓	9.5	6.6	7.2	120	1.0	-4	

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/18/04

SAMPLE LOCATION: MW-18B TIME: Start: 0951 End: 1030

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 14.83

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTUs)
5	.63 L	125 ml/min	20.35	5.4	6.6	080	NM	-22	
15	1.88 L	↓	22.7	5.4	7.0	090	"	-20	11.2
30	3.75 L	↓	24.3	5.8	7.0	090	"	-30	8.6
35	4.38 L	↓	24.3	5.8	6.6	090	0.5	-37	5.9

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/18/01

SAMPLE LOCATION: MW-16C TIME: Start: 1117 End: 1150

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 1.70

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 2"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
5	1.63 L	325 ml/min	2.7	5.7	6.4	030	NM	96	
15	4.88 L	↓	3.1	5.8	5.6	030	"	161	5.5
20	6.5 L	↓	3.15	5.8	5.4	030	"	174	
30	9.75 L	↓	3.30	5.9	5.4	030	4.0	181	3.8

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/18/03

SAMPLE LOCATION: MW-16B TIME: Start: 1127 End: 1315

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 3.00

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
15	2.25L	150ml/min	14.1	5.4	5.8	050	NM	160	
30	4.5L	↓	10.7	6.2	5.7	050	"	168	
50	7.5L		10.9	6.9	6.4	060	"	124	
75	11.25L		10.65	6.6	6.3	080	"	164	
103	15.45L	↓	10.7	6.5	6.2	080	3.0	179	

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/18/03

SAMPLE LOCATION: MW-16A TIME: Start: 1155 End: 1245

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 0.2

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: ~~Geopump~~ Free Flow TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: ~~Geopump~~ Free Flow

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
10	5.45 L	500 ml / 55 sec	1.15	6.9	5.8	100	NM	168	
20	10.91 L	↓	1.15	7.3	6.3	100	"	132	
30	16.36 L	↓		7.2	6.0	100	0.5	161	2.9

PURGE OBSERVATIONS: WATER SYPHONED & FLOWED FROM WELL

SAMPLES: 3 HCl VOA vials

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/18/03

SAMPLE LOCATION: MW-17B TIME: Start: 1302 End: 1355

WELL DATA:

WELL DEPTH (ft): NM
DEPTH TO WATER (ft): 12.30
HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
20	7 L	350 ml/min	13.55	7.0	6.0	030	NM	186	>Range
35	12.25 L	↓	13.40	6.9	5.8	050	"	197	"
40	14 L		13.40	7.1	6.8	050	"	160	"
45	15.75 L		13.40	7.2	6.4	040	"	174	"
50	17.5 L		13.40	7.1	5.9	040	5.0	191	"

PURGE OBSERVATIONS: Turbidity elevated during purge may be due to bentonite NEAR SCREEN - solids purged from well before sampling.

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

DRUMLIN ENVIRONMENTAL, LLC
GROUNDWATER FIELD DATA RECORD

SITE: PBWO-CASCO JOB NO: 01-007 DATE: 4/15/03

SAMPLE LOCATION: MW-17A TIME: Start: 1333 End: 1413

WELL DATA:

WELL DEPTH (ft): NM

DEPTH TO WATER (ft): 20.1

HEIGHT OF WATER (ft): NM

WELL MATERIAL: X PVC ___ SS
WELL DIAMETER (in): 1"
LOCKED: X YES ___ NO
CASING INTACT: X YES ___ NO

SAMPLING AND DECONTAMINATION:

PURGE EQUIPMENT: PUMP: Geopump TUBING: LDPE
Dedicated: X Yes ___ No

SAMPLING EQUIPMENT: Geopump

DECONTAMINATION PROCEDURES: Potable Water and P-Free Detergent

PURGE DATA:

Elasped Time (min)	Vol. Purged	Flow Rate	Water Depth (ft)	Temp (°C)	pH	Spec Cond	D.O. (mg/L)	ORP (mV)	Turb (NTU)
10	2.5 L	250 ml/min	20.25	7.6	6.5	110	NM	194	28
25	6.25 L	↓	20.25	7.5	6.9	110	"	165	4
30	7.5 L		20.25	7.5	7.4	110	"	137	
35	8.75 L		20.25	7.6	7.6	110	"	126	
40	10 L		20.25	7.6	7.7	110	4.0	117	

PURGE OBSERVATIONS: _____

SAMPLES: 3 HCl VOA vials + 1 L HCl DRO bottle

SAMPLER: Matt Reynolds

APPENDIX I

HETL LABORATORY REPORTS
(Chronological Order)

Visit our Web Site at: www.state.me.us\dhs\etl

02E-DOR-01373

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

FILE COPY

HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
KATHY NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
DROW
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO/CASCO **Project Number** 17429
Collection Date 02/15/2002 **Analysis Validation Date** 03/01/02 **Print Date** 03/01/02
Sample Location
LONDON WELL CASCO

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-01373 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** FULLER/NIZIOLEK

Analytical Test	Results	Units
DRO IN WATER - 4.1.25		
REPORTING LIMIT = 50 ug/L.		ug/L
DIESEL RANGE ORGANICS	<50	
EXTRACTION DATE	02/21/02	
ANALYSIS DATE	02/27/02	
--SURROGATE RECOVERY	% RECOVERY	
O-TERPHENYL	96.9	

ADVISORY LEVEL FOR DIESEL RANGE ORGANICS IS 50 ug/L.

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately
RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
<= Less than K= Indicates a possible, non-confirmed trace level below the RL
Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

Analyst: QC:

HEALTH & ENVIRONMENTAL TESTING LABORATORY: CHAIN OF CUSTODY SAMPLE RECORD

(Revised 6/99)

phone (207) 287-2727 address: 221 State Street Augusta, ME 04333

NO: 025084

Sample date (YY/MM/DD): 02/02/15

Project Name: PBWO - Casco

Sampler: Fallon / Nizielek

Do you want all project results sent together? yes (no)

Appropriation/Activity: 01806A 0247682 7665.1

Town/County: Casco

Send Results to: (full address) Kathy Nizielek

Bill to: (full address)

Custody Record:

Relinquished by:	Received by:	Date/Time
K Nizielek	[signature]	

Client comments: TSN Plus Vinyl Chloride / Priority Pollutant Metals (PPM)

Is this a DEP PROJECT (circle)? (yes) no

Analysis Requested:

Location	Time	Client #	HETL #	Matrix Soil Water Air Neat	Preservative	Duplicate	VOC: PPV 8260	VOC: MBTEX-MS	VOC: TSM	VOC: TSN 524.2	SVOC: DRO	SVOC: ABN 8270	SVOC: PAH 8270	SVOC: Pest 8081	SVOC: PCB 8081	SVOC: TQ1 Herb	SVOC: Acids 8270	SVOC: Acid/Neutrals	SVOC: TCLP Org.	SVOC: Base/Neutrals	INORGANICS: 8 RCRA Metals	INORGANICS: Total P	INORGANICS: TCLP Metals	INORGANICS: other
London Well		02EDOR	01089 ✓	H_2O	X	X				X														
↓		02E DOR	01373 ✓								X													
		01E DIN	07464 ✓		X																			Metals

white copy -- HETL shipping room yellow copy -- HETL section supervisor pink copy -- HETL analyst gold copy -- retained by sampler

** PLEASE PRINT AND BEAR DOWN FIRMLY WITH BALL POINT PEN **

02E-DOR-01089

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

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HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
KATHY NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO/CASCO **Project Number** 17429
Collection Date 02/15/2002 **Analysis Validation Date** 02/20/02 **Print Date** 02/20/02
Sample Location
LONDON WELL CASCO
Additional Comments
SEE COC

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-01089 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** FULLER/NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
NO COMPOUNDS COVERED BY THIS METHOD WERE DETECTED.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<0.5	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
VINYL ACETATE	<5.0	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	
CARBON TETRACHLORIDE	<0.5	

02E-DOR-01089 **Continued from Previous Page, Sample Number: 02E-DOR-01089**

11-DICHLOROPROPENE	<0.5
BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124.TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	95.7
1,2-DICHLOROBENZENE-D4	91.6
ANALYSIS DATE	02/19/02

VINYL CHLORIDE
VIA SIM

<0.1 ug/L

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately
RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
<= Less than K= Indicates a possible, non-confirmed trace level below the RL
Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

Analyst: MB QC: JF

HEALTH & ENVIRONMENTAL TESTING LABORATORY: CHAIN OF CUSTODY SAMPLE RECORD

(Revised 6/99)

phone (207) 287-2727 address: 221 State Street Augusta, ME 04333

NO: 025084

Sample date (YY/MM/DD): 02/02/17

Project Name: Lovell - Cole

Sampler: Rachel Meader

Do you want all project results sent together? yes no

Appropriation/Activity: [illegible]

Town/County: Lovell

Send Results to: (full address) Kathy Meader

Bill to: (full address)

17 4 09	Custody Record:	
Relinquished by:	Received by:	Date/Time
K Meader	[illegible]	

Client comments: Rec'd w/ Disp. Grounds / Septic Effluent Screen (PPV)

Is this a DEP PROJECT (circle)? yes no

Analysis Requested:

Location	Time	Client #	HETL #	Matrix (Soil, Water, Air, Neat)	Preservative	Duplicate	VOC: PPV 8260	VOC: MBTEX-MS	VOC: TSM	VOC: TSN 524.2	SVOC: DRO	SVOC: ABN 8270	SVOC: PAH 8270	SVOC: Pest 8081	SVOC: PCB 8081	SVOC: TQ1 Herb	SVOC: Acids 8270	SVOC: Acid/Neutrals	SVOC: TCLP Org	SVOC: Base/Neutrals	INORGANICS: 8 RCRA Metals	INORGANICS: Total P	INORGANICS: TCLP Metals	other
Lovell Composite		21089	21089 ✓	Hzo	X	X				V														
"		DE DOR	01373 ✓	"							X													
"		HEBIN	07464 ✓	"		X																		Blank

white copy -- HETL shipping room yellow copy -- HETL section supervisor pink copy -- HETL analyst gold copy -- retained by sampler

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MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716
Fax. No. 207-287-6832

HETL

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TO BE BILLED

INORGANICS SECTION REPORT

To:

KATHY NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

FILE COPY

Test Request Codes:

PPM13W

Appropriation Number:
DEP- 01806A024768276

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO/CASCO

Project Number 17429

Collection Date 02/15/2002

Print Date 03/28/02

Sample Location
CASCO

Summary of Notations used in Reporting Analytical Results:

J= Approximately L= Greater Than K= Less Than NA= Not Analyzed
RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
ND= Not Detected Down to the Reporting Limit (RL)

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Inorganics Section.

ANALYTICAL RESULTS:

QC Review: TCP

HETL Sample Number 01E-DIN-07464

User Number:
LONDON WELL

Analysis Validation Date 03/28/02

Sample Matrix
WATER

Sample Type

Sampled by
FULLER/NIZIOLEK

All Units are expressed as PPM, Parts Per Million

Analytical Test	Results
ARSENIC	ND .003
BERYLLIUM	ND .0005
CADMIUM	ND .0005
CHROMIUM	.001
COPPER	ND .005
LEAD	ND .003
MERCURY	ND.0002
NICKEL	ND .004
ANTIMONY	ND .006
SELENIUM	ND .006
SILVER	ND .0005
THALLIUM	ND .005
ZINC	.005

PREP METALS WATER	DONE

HEALTH & ENVIRONMENTAL TESTING LABORATORY: CHAIN OF CUSTODY SAMPLE RECORD

(Revised 6/99)

phone (207) 287-2727 address: 221 State Street Augusta, ME 04333

NO: 025084

Sample date (YY/MM/DD): 02/02/15

Project Name: Pikes - Lasts

Sampler: Kathy Mizelak

Do you want all project results sent together? yes no

Appropriation/Activity: 010-0604 0247-6882 7160-5.1

Town/County: Lasts

Send Results to: (full address) Kathy Mizelak

Bill to: (full address)

174429	Custody Record:	
Relinquished by:	Received by:	Date/Time
K Mizelak		

Client comments: TSP Plus Vinyl Chloride / Trinity Historical Metals (PPM)

Is this a DEP PROJECT (circle)? yes no

Analysis Requested:

Location	Time	Client #	HETL #	Matrix (Soil / Water / Air / Neat)	Preservative	Duplicate	VOC: PPV 8260	VOC: MBTEX-MS	VOC: TSM	VOC: TSN 524.2	SVOC: DRO	SVOC: ABN 8270	SVOC: PAH 8270	SVOC: Pest 8081	SVOC: PCB 8081	SVOC: TQ1 Herb	SVOC: Acids 8270	SVOC: Acid/Neutrals	SVOC: TCLP Org	SVOC: Base/Neutrals	INORGANICS: 8 RCRA Metals	INORGANICS: Total P	INORGANICS: TCLP Metals	INORGANICS: other
Lasts Garage		GARAGE	01089	Neat	X	X				X														
↓		OZE DOR	01373	↓							X													
↓		OLE DIN	07464	↓	X																			Historics

white copy -- HETL shipping room yellow copy -- HETL section supervisor pink copy -- HETL analyst gold copy -- retained by sampler

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M. Reynolds

Visit our Web Site at: www.state.me.us\dhs\etl

01E-DOR-07347

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

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DEPP
TO BE BILLED

To:
KATHY NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO/CASCO **Project Number** 17687

Collection Date 05/07/2002 **Analysis Validation Date** 05/09/02 **Print Date** 05/09/02

Sample Location
LONDON RES KITCHEN TAP CASCO

ANALYTICAL RESULTS:

HETL Sample Number 01E-DOR-07347 **User Number:**

Sample Matrix
WATER

Sample Point

Sampled by
GORDON FULLER

Analytical Test	Results	Units
EPA METHOD 524.2		
NO COMPOUNDS COVERED BY THIS METHOD WERE DETECTED.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMCMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<0.5	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
VINYL ACETATE	<5.0	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	
CARBON TETRACHLORIDE	<0.5	
11-DICHLOROPROPENE	<0.5	
BENZENE	<0.5	

01E-DOR-07347 **Continued from Previous Page, Sample Number: 01E-DOR-07347**

1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	98.2
1,2-DICHLOROBENZENE-D4	93.3
ANALYSIS DATE	05/08/02

01E-DOR-07347 **Continued from Previous Page, Sample Number: 01E-DOR-07347**

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately
RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
<= Less than K= Indicates a possible, non-confirmed trace level below the RL
Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

Analyst: QC:

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@imc.net

Kathy Niziolek
Maine DEP
17 State House Station
Augusta, Maine 04333-0017

November 06, 2002

Report No.: DEP1108-02

Enclosed are the results of the analyses requested on your samples as received by the laboratory. Samples were received in acceptable condition and analyzed within method holding times with all quality control data within laboratory acceptance limits unless noted below. Reporting detection limits are the minimum levels for reporting quantitative data. These limits are 3.18 times the method detection limit as defined in CFR 40 Part 136, Appendix B. Data reported between the reporting and method detection limits are J flagged as estimated. Maine Environmental Laboratory is certified by Maine, Massachusetts, New Hamphire and NELAP (cert.#2031). A list of certified parameters is available on request. This report shall not be reproduced, except in full, without the written consent of the laboratory.

Sample Identification	Laboratory ID	Comments
London	DEP110802-01	

Post-it® Fax Note 7671	Date	# of pages ▶
To K. Niziolek	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

References

EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.
SW8 - SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition, 1986.
STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
CLP - USEPA CLP Statement of Work for Inorganics, ILM03.0.
AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature Herbert S. Kodis

Herbert S. Kodis, laboratory director

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

Kathy Niziolek
Maine DEP
17 State House Station
Augusta, Maine 04333-0017

November 06, 2002

Report No: DEP1108-02
Date received: 10/28/02
Project ID: PBWO Casco/Residential
Laboratory ID: DEP110802-01

Sampler: No Data
Sampling date: 10/28/02
Sample matrix: Water
Sample ID: London

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	ND	mg/L	11/04/02	0.001	0.004	7060A	SW8
Barium, total	ND	mg/L	10/31/02	0.1	0.4	7080A/3010A	SW8
Cadmium, total	ND	mg/L	10/29/02	0.0002	0.0006	7131A/3020A	SW8
Chromium, total	0.002 J	mg/L	11/05/02	0.002	0.005	7191/3020A	SW8
Lead, total	ND	mg/L	10/31/02	0.002	0.006	7421/3020A	SW8
Mercury, total	ND	mg/L	11/01/02	0.0002	0.0005	7470A	SW8
Selenium, total	ND	mg/L	10/29/02	0.002	0.006	7740	SW8
Silver, total	ND	mg/L	10/31/02	0.02	0.05	7760A	SW8

Analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
analytics@analyticallab.com

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 48552
Revision: Rev. 0

Re: DEP 1108-02

Enclosed are the results of the analyses on your sample(s). Samples were received on 29 October 2002, and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
48552-1	10/28/02	London	EPA 8260 Volatile Organics	
	10/28/02	London	EPA 8270 Acid/Base Neutrals	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, North Carolina and is validated by the U.S. Army Corps of Engineers (MRD) and U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/7/2002

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

105 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-370-5006

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 5, 2002

CLIENT SAMPLE ID

Project Name: DEP 1103-02

Project Number:

Field Sample ID: London

SAMPLE DATA

Lab Sample ID:	48552-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/28/02
Lab Receipt Date:	10/29/02
Analysis Date:	10/30/02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2 Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	98 %	Bromofluorobenzene	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized Signature: Melissa A. Hall

analytics environmental laboratory, LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-972-9926

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 1, 2002

SAMPLE DATA

Lab Sample ID:	48552-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/28/02
Lab Receipt Date:	10/29/02
Extraction Date:	10/29/02
Analysis Date:	10/31/02

CLIENT SAMPLE ID

Project Name: DEP 1108-02

Project Number:

Field Sample ID: London

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/L	Result µg/L	ACID COMPOUND	Quantitation Limit µg/L	Result µg/L
2-Chlorophenol	5	U	Pentachlorophenol	10	U
4-Chloro-3-methylphenol	10	U	Phenol	5	U
2,4-Dichlorophenol	5	U	2,4,5-Trichlorophenol	5	U
2,4-Dimethylphenol	5	U	2,4,6-Trichlorophenol	5	U
2,4-dinitrophenol	5	U	Benzoic Acid	10	U
4,6-Dinitro 2-methylphenol	5	U	2-Methylphenol	5	U
2-Nitrophenol	5	U	3+4-Methylphenol	5	U
2,6-Dichlorophenol	5	U	Benzyl Alcohol	5	U
4-Nitrophenol	5	U	2,3,4,6-Tetrachlorophenol	5	U

Acid Surrogate Standard Recovery

2-Fluorophenol	47 %	d5-Phenol	33 %	2,4,6-Tribromophenol	79 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L	BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L
1,2-Dichlorobenzene	2	U	Hexachlorobenzene	2	U
1,3-Dichlorobenzene	2	U	Benzidine	20	U
1,4-Dichlorobenzene	2	U	3,3'-Dichlorobenzidine	20	U
2,4-Dinitrotoluene	2	U	Azobenzene	2	U
2,6-Dinitrotoluene	2	U	Bis(2-chloroethoxy)methane	2	U
Nitrobenzene	2	U	bis(2-chloroethyl) ether	2	U
Hexachlorobutadiene	2	U	bis(2-chloroisopropyl)ether	2	U
Dimethyl Phthalate	2	U	4-bromophenyl phenyl ether	2	U
Di-n-butyl phthalate	2	U	Butyl benzyl phthalate	2	U
di-n-octyl-phthalate	2	U	4-Chlorophenyl phenyl ether	2	U
Bis (2-ethylhexyl) phthalate	2	U	Diethyl Phthalate	2	U
1,2,4-Trichlorobenzene	2	U	Hexachlorocyclopentadiene	2	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

8270/825 layout

Authorized signature Melissa A Halli

Analytics Environmental Laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-928-5906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

November 1, 2002

CLIENT SAMPLE ID

Project Name: DEP1108-02

Project Number:

Field Sample ID: London

SAMPLE DATA

Lab Sample ID:	48552-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/28/02
Lab Receipt Date:	10/29/02
Extraction Date:	10/29/02
Analysis Date:	10/31/02

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L	BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L
Acenaphthene	2	U	N-nitrosodimethylamine	2	U
Acenaphthylene	2	U	N-nitroso-di-n-propylamine	2	U
Anthracene	2	U	n-nitrosodiphenylamine	2	U
Benzo[a]anthracene	2	U	Pyridine	2	U
Benzo[a] pyrene	2	U	2-Methylnaphthalene	2	U
Benzo[b] fluoranthene	2	U	2-Chloronaphthalene	2	U
Benzo[k] fluoranthene	2	U	Naphthalene	2	U
Benzo(g,h,i) perylene	2	U	Phenanthrene	2	U
Chrysene	2	U	Dibenzofuran	2	U
Dibenz [a,h] anthracene	2	U	Aniline	2	U
Fluoranthene	2	U	4-Chloroaniline	2	U
Fluorene	2	U	2-Nitroaniline	2	U
Indeno [1,2,3-cd] pyrene	2	U	3-Nitroaniline	2	U
Pyrene	2	U	4-Nitroaniline	2	U
Hexachloroethane	2	U	Carbazole	2	U
Isophorone	2	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	69 %	d5-nitrobenzene	69 %	d14-p-terphenyl	79 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

8270/625 layout

Authorized signature Melissa A. Sulli

AEL

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@ime.net

PROJECT MANAGER: K. Niziolek
TELEPHONE:
FAX # / E-MAIL:
COMPANY:
PURCHASE ORDER # / BILL TO:
ADDRESS:
PROJECT NAME: DEP1108.02
SAMPLER NAME:

ANALYSES

LABORATORY REPORT #:
Delivered by:

TURNAROUND REQUEST
☑ Standard 11/7
☐ Priority (SURCHARGE)
Quote #

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	VOC8260	ABN8270	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
London	1	G		X	Water	X		HCl/4E	10/28/02			X	48552-1
↓	3	VOA VIAL		X	↓	X		HCl/4E	↓		X		

Received within hold time ☑ yes ☐ no ☐ N/A
Received in good condition ☑ yes ☐ no ☐ N/A
Temp. Blank °C 2 /Frozen ice packs ☐ N/A
Samples received preserved ☑ yes ☐ no ☐ N/A
Chain of Custody seal ☐ yes ☐ no
Jamb 10-29-02

COMMENTS

	DATE	TIME	
RELINQUISHED BY SAMPLER:			RECEIVED BY:
RELINQUISHED BY: Martha N. Mixon	10-29-02	1520	RECEIVED BY: [signature]
RELINQUISHED BY:			RECEIVED BY LABORATORY:

COC-02 5/10/08

005/005

02E-DOR-03731

Visit our Web Site at: www.state.me.us\dhs\etl

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
K NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 19711
Collection Date 11/15/2002 **Analysis Validation Date** 11/22/02 **Print Date** 11/22/02
Sample Location
HUNTER CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS FOR HITS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-03731 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
NO COMPOUNDS COVERED BY THIS METHOD WERE DETECTED.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<0.5	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
VINYL ACETATE	<5.0	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	

2E-DOR-03731 **Continued from Previous Page, Sample Number: 02E-DOR-03731**

CARBON TETRACHLORIDE	<0.5
11-DICHLOROPROPENE	<0.5
BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	108.0
1,2-DICHLOROBENZENE-D4	99.4

ANALYSIS DATE 11/19/02

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately

RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis

<= Less than K= Indicates a possible, non-confirmed trace level below the RL

Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: UB QC: JV

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

Visit our Web Site at: www.state.me.us\dhs\etl

2E-DOR-06826

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
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DEPP
TO BE BILLED

To:
K NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 19711
Collection Date 11/15/2002 **Analysis Validation Date** 11/22/02 **Print Date** 11/22/02
Sample Location
DUNFEE CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS FOR HITS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-06826 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
RESULTS FOLLOW.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<0.5	
MTBE	17.7	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
VINYL ACETATE	<5.0	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	

CARBON TETRACHLORIDE	<0.5
11-DICHLOROPROPENE	<0.5
BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	102.5
1,2-DICHLOROBENZENE-D4	98.6

02E-DOR-06826 **Continued from Previous Page, Sample Number: 02E-DOR-06826**

ANALYSIS DATE 11/19/02

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately

RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis

<= Less than K= Indicates a possible, non-confirmed trace level below the RL

Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: WB QC: JV

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

02E-DOR-06827

Visit our Web Site at: www.state.me.us\dhs\etl

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
K NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 19711
Collection Date 11/15/2002 **Analysis Validation Date** 11/22/02 **Print Date** 11/22/02
Sample Location
JOHNSON CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS FOR HITS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-06827 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
NO COMPOUNDS COVERED BY THIS METHOD WERE DETECTED.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<0.5	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
VINYL ACETATE	<5.0	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	

CARBON TETRACHLORIDE	<0.5
11-DICHLOROPROPENE	<0.5
BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	101.3
1,2-DICHLOROBENZENE-D4	98.9

02E-DOR-06827

Continued from Previous Page, Sample Number: 02E-DOR-06827

ANALYSIS DATE 11/19/02

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately

RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis

<= Less than K= Indicates a possible, non-confirmed trace level below the RL

Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: UB QC: JJ

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

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ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
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To:
K NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 19711
Collection Date 11/15/2002 **Analysis Validation Date** 11/22/02 **Print Date** 11/22/02
Sample Location
GREGORY CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS FOR HITS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-06829 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
RESULTS FOLLOW.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<0.5	
MTBE	21.1	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
VINYL ACETATE	<5.0	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	

Continued from Previous Page, Sample Number: 02E-DOR-06829

CARBON TETRACHLORIDE	<0.5
11-DICHLOROPROPENE	<0.5
BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	102.9
1,2-DICHLOROBENZENE-D4	98.9

ANALYSIS DATE 11/19/02

Summary of Notations used in Reporting Analytical Results:

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RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis

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Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: WS QC: JV

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

HEALTH & ENVIRONMENTAL TESTING LABORATORY: CHAIN OF CUSTODY SAMPLE RECORD (Revised 6/99)

phone (207) 287-2727 address: 221 State Street Augusta, ME 04333 NO: 031426

Sample date (YY/MM/DD): 11/15/2002	[redacted]	**Custody Record:**	
Project Name: PBW0 Casco	Relinquished by:	Received by:	Date/Time
Sampler: Niziolek	Kathy Niziolek	[signature]	NOV 15 02 at 2:26 RCVD
Do you want all project results sent together? (yes) no			
Appropriation/Activity: 015016A024750276655.2149			
Town/County: Casco Cumberland			
Send Results to: (full address) K Niziolek			
Bill to: (full address) Same			

Client comments: Verbal results please for hits 287 4861

Is this a DEP PROJECT (circle)? (yes) no

Analysis Requested:

Location	Time	Client #	HETL #	Matrix (Soil, Water, Air, Neat)	Preservative	Duplicate	VOC: PPV 8260	VOC: MBTEX-MS	VOC: TSM	VOC: TSN 524.2	SVOC: DRO	SVOC: ABN 8270	SVOC: PAH 8270	SVOC: Pest 8081	SVOC: PCB 8081	SVOC: TQ1 Herb	SVOC: Acids 8270	SVOC: Acid/Neutrals	SVOC: TCLP Org	SVOC: Base/Neutrals	INORGANICS: 8 RCRA Metals	INORGANICS: Total P	INORGANICS: TCLP Metals	other
Dunfee	10:10	02EDOR	060826	water	X	X				X														
Johnson	11:20	02EDOR	06827	water	X	X				X														
Gregory	11:35	02EDOR	06829	water	X	X				X														
Hunter		02EDOR	03731	water	X	X				X														

white copy -- HETL shipping room yellow copy -- HETL section supervisor pink copy -- HETL analyst gold copy -- retained by sampler

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03E-DOR-00009

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
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To:
KATHY NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
DROW
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name HANCOCK **Project Number** 19960
Collection Date 03/07/2003 **Analysis Validation Date** 03/11/03 **Print Date** 03/11/03
Sample Location
DW CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 03E-DOR-00009 **User Number:**
Sample Matrix **Sample Point** **Sampled by**
WATER FULLER/NIZIOLEK

Analytical Test	Results	Units
DRO IN WATER - 4.1.25		
REPORTING LIMIT = 50 ug/L.		ug/L
DIESEL RANGE ORGANICS	<50	
EXTRACTION DATE	03/10/03	
ANALYSIS DATE	03/10/03	
--SURROGATE RECOVERY	% RECOVERY	
O-TERPHENYL	88.3	

ADVISORY LEVEL FOR DIESEL RANGE ORGANICS IS 50 ug/L.

Summary of Notations used in Reporting Analytical Results:

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Analyst: Jon QC: CB

CERTIFICATION FOR SAMPLE/PROJECT:

Total Pages In Report: 1

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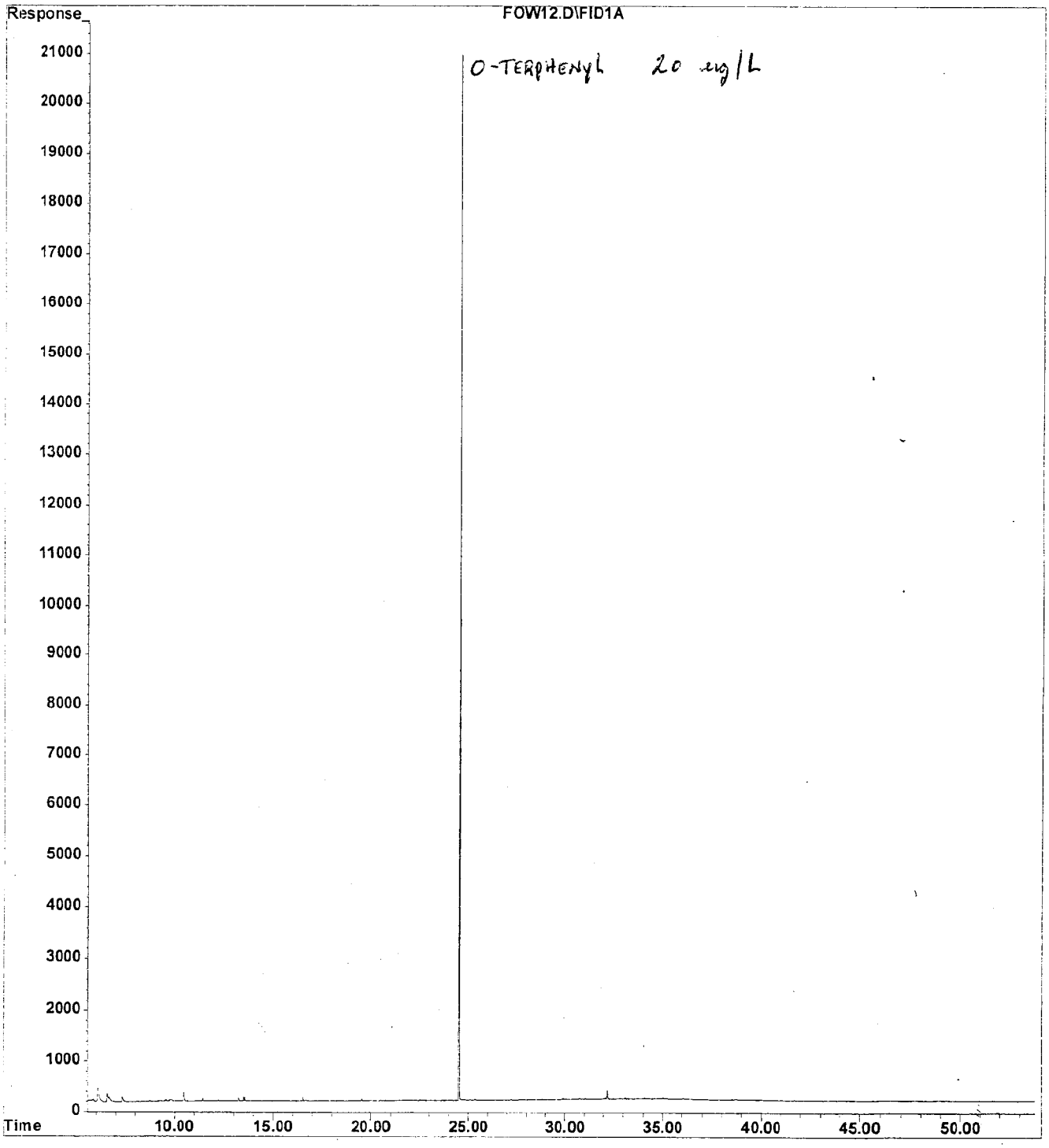
John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

File : C:\HPCHEM\1\DATA\031003F\FOW12.D
Operator :
Acquired : 10 Mar 103 9:37 pm using AcqMethod FRONT.M
Instrument : gc fow
Sample Name: 9
Misc Info : HANCOCK
Vial Number: 12



02E-DOR-03819

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ORGANICS SECTION REPORT

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Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

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TO BE BILLED

To:
K NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
PPVW
Appropriation Number: DEP-

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SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name HANCOCK **Project Number** 19960
Collection Date 03/07/2003 **Analysis Validation Date** 03/12/03 **Print Date** 03/12/03
Sample Location
DW - WELL CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-03819 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** FULLER/NIZIOLEK

Analytical Test	Results	Units
VOLATILES IN WATER-8260		
RESULTS FOLLOW.		ug/L
DICHLORODIFLUOROMETHANE	<1.0	
CHLOROMETHANE	<1.0	
VINYL CHLORIDE	<1.0	
BROMOMETHANE	<1.0	
CHLOROETHANE	<1.0	
TRICHLOROFLUOROMETHANE	<1.0	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<1.0	
DICHLOROMETHANE	<1.0	
CARBON DISULFIDE	<1.0	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<1.0	
VINYL ACETATE	<5.0	
1,1-DICHLOROETHANE	<1.0	
22 DICHLOROPROPANE	<1.0	
METHYL ETHYL KETONE	<5.0	
CIS 12 DICHLOROETHYLENE	<1.0	
BROMOCHLOROMETHANE	<1.0	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<1.0	

CARBON TETRACHLORIDE	<1.0
11-DICHLOROPROPENE	<1.0
BENZENE	<1.0
1,2-DICHLOROETHANE	<1.0
TRICHLOROETHYLENE	K0.54
12 DICHLOROPROPANE	<1.0
DIBROMOMETHANE	<1.0
BROMODICHLOROMETHANE	<1.0
METHYL ISOBUTYL KETONE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
CIS 1,3-DICHLOROPROPENE	<1.0
TOLUENE	<1.0
TRANS-13 DICHLOROPROPENE	<1.0
1,1,2-TRICHLOROETHANE	<1.0
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	K0.52
13-DICHLOROPROPANE	<1.0
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<1.0
MONOCHLOROBENZENE	<1.0
1,1,1,2TETRACHLOROETHANE	<1.0
ETHYL BENZENE	<1.0
TOTAL XYLENES	<3.0
STYRENE	<1.0
ISOPROPYL BENZENE	<1.0
BROMOFORM	<1.0
BROMOBENZENE	<1.0
1122 TETRACHLOROETHANE	<1.0
123 TRICHLOROPROPANE	<1.0
N-PROPYLBENZENE	<1.0
O-CHLOROTOLUENE	<1.0
P-CHLOROTOLUENE	<1.0
135 TRIMETHYLBENZENE	<1.0
TERT-BUTYLBENZENE	<1.0
124 TRIMETHYLBENZENE	<1.0
SEC-BUTYLBENZENE	<1.0
M-DICHLOROBENZENE	<1.0
P ISOPROPYLTOLUENE	<1.0
P-DICHLOROBENZENE	<1.0
O-DICHLOROBENZENE	<1.0
N-BUTYL BENZENE	<1.0
DIBROMOCHLOROPROPANE	<2.0
124 TRICHLOROBENZENE	<1.0
HEXACHLOROBUTADIENE	<1.0
NAPHTHALENE	<2.0
123 TRICHLOROBENZENE	<1.0
--SURROGATE RECOVERY	%RECOV
D4 1,2-DICHLOROETHANE	103.5
1,4-DIFLUOROBENZENE	107.4
D5-CHLOROBENZENE	104.6

1,2-DICHLOROBENZENE-D4	119.7
ANALYSIS DATE	03/11/03

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Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: mm QC: ub

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

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John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

02E-DOR-05156

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ORGANICS SECTION REPORT

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Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

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KATHY NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
DROW
Appropriation Number: DEP-

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SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name HANCOCK **Project Number** 19960
Collection Date 03/07/2003 **Analysis Validation Date** 03/11/03 **Print Date** 03/11/03
Sample Location
PW CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-05156 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** FULLER/NIZIOLEK

Analytical Test	Results	Units
DRO IN WATER - 4.1.25		
REPORTING LIMIT = 50 ug/L.		ug/L
DIESEL RANGE ORGANICS	<50	
EXTRACTION DATE	03/10/03	
ANALYSIS DATE	03/10/03	
--SURROGATE RECOVERY	% RECOVERY	
O-TERPHENYL	82.4	

ADVISORY LEVEL FOR DIESEL RANGE ORGANICS IS 50 ug/L.

Summary of Notations used in Reporting Analytical Results:

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RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
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Analyst: JAM QC: CB

CERTIFICATION FOR SAMPLE/PROJECT:

Total Pages In Report: 1

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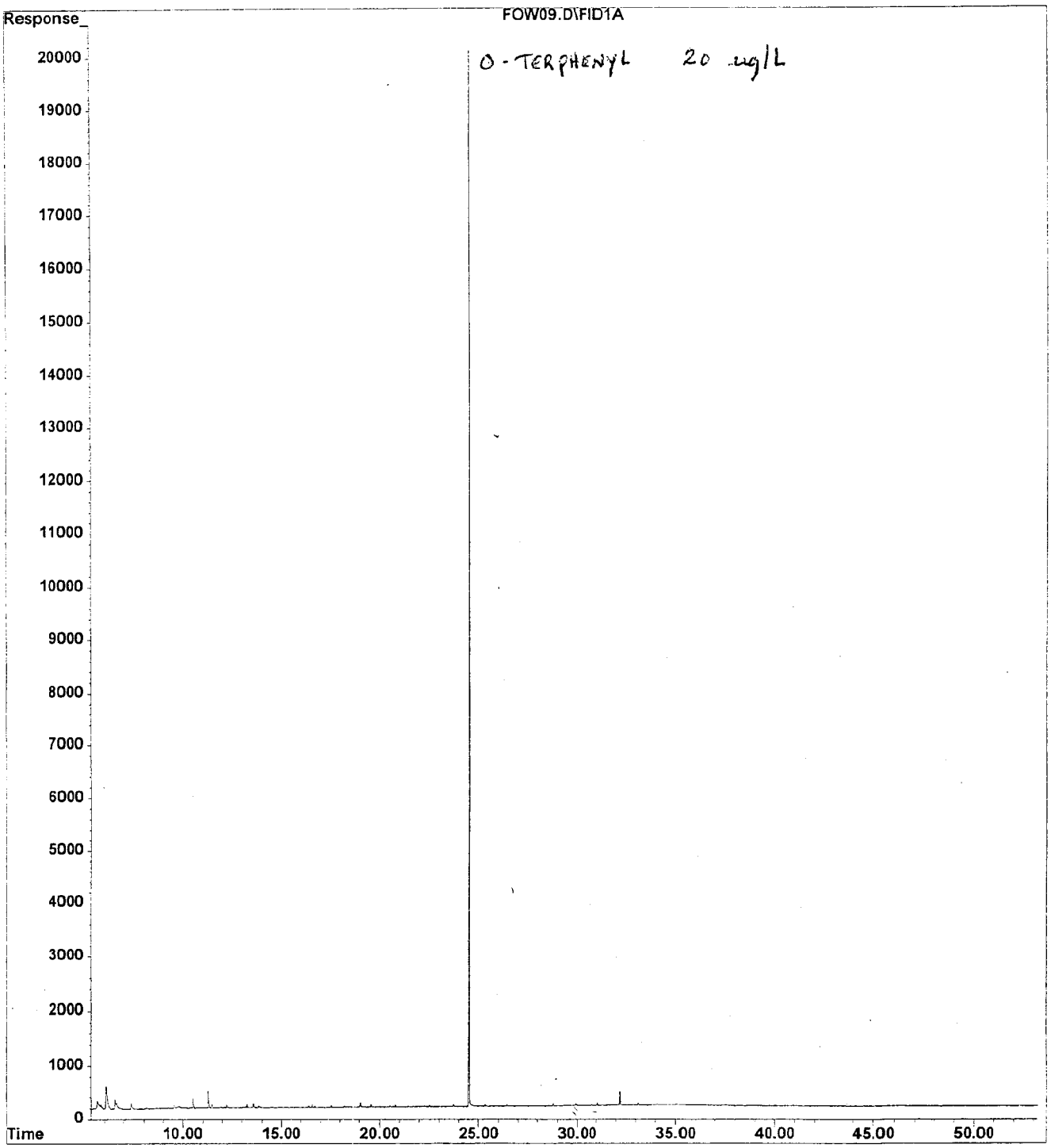
John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

File : C:\HPCHEM\1\DATA\031003F\FOW09.D
Operator :
Acquired : 10 Mar 103 6:23 pm using AcqMethod FRONT.M
Instrument : gc fow
Sample Name: 5156
Misc Info : HANCOCK
Vial Number: 9



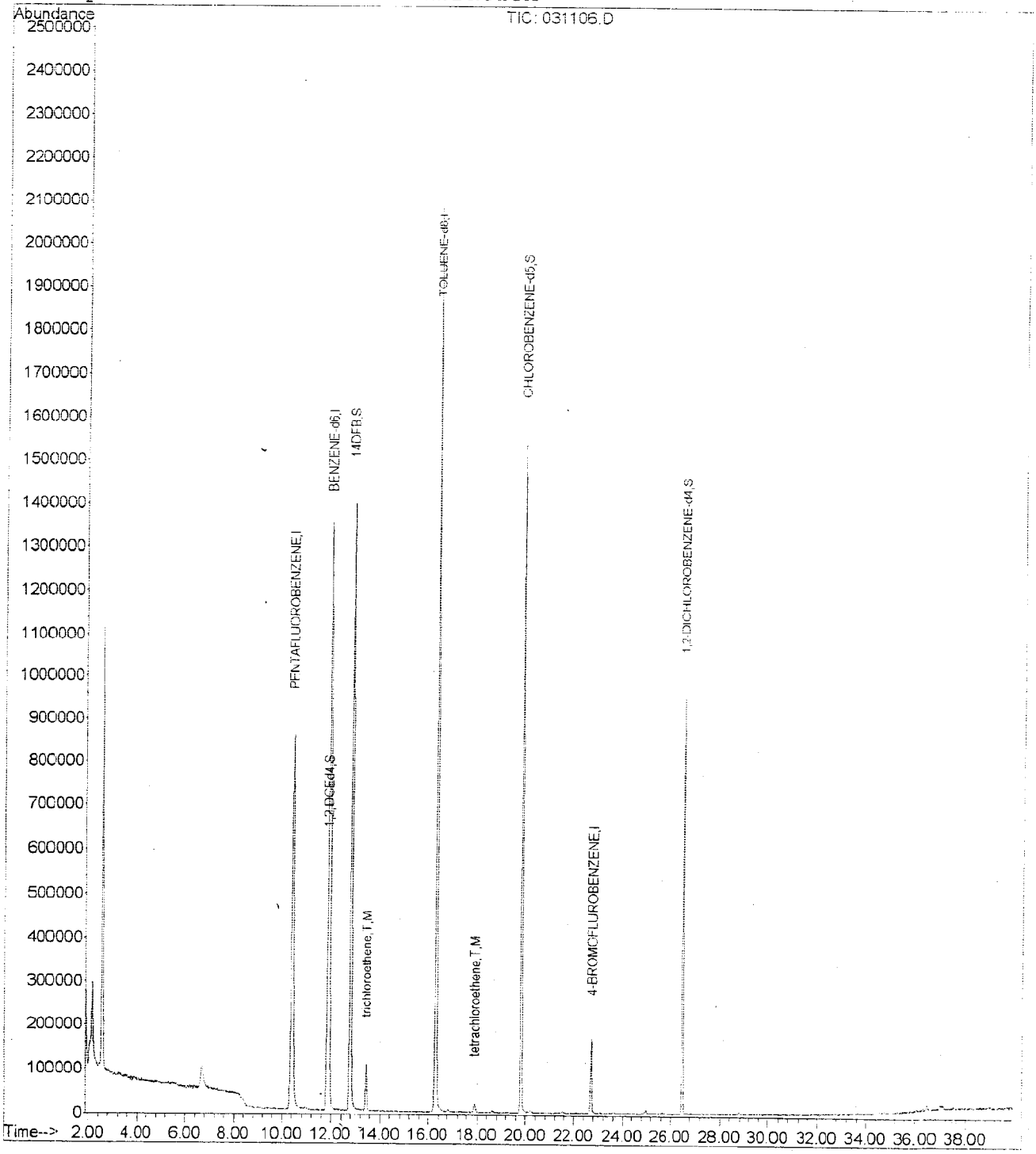
Quantitation Report

Data File : D:\HPCHEM\1\DATA\031103\031106.D
Acq On : 11 Mar 2003 11:44 am
Sample : 02E-DOR-03819 Hancock/DW
Misc : [02E-DOR-03819]
MS Integration Params: rteint.p
Quant Time: Mar 12 7:13 2003

Vial: 6
Operator: VAM
Inst : 8260MS
Multiplr: 1.00

Quant Results File: 826003E.RE

Method : C:\HPCHEM\1\METHODS\826003E.M (RTE Integrator)
Title : EPA 8260B
Last Update : Wed Mar 05 09:18:13 2003
Response via : Initial Calibration



02E-DOR-06527

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MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

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To:
K NIZIOLEK
DEP SHS 17
AUGUSTA, ME 04333

Test Request Codes:
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Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name HANCOCK
Project Number 19960
Collection Date 03/07/2003
Analysis Validation Date 03/12/03
Print Date 03/12/03
Sample Location
PW - WELL
CASCO/CUMBERLAND
Additional Comments
VERBAL RESULTS 287-4861

ANALYTICAL RESULTS:

HETL Sample Number 02E-DOR-06527
User Number:
Sample Matrix
WATER
Sample Point
Sampled by
FULLER/NIZIOLEK

Analytical Test	Results	Units
VOLATILES IN WATER-8260		
RESULTS FOLLOW.		ug/L
DICHLORODIFLUOROMETHANE	<1.0	
CHLOROMETHANE	<1.0	
VINYL CHLORIDE	<1.0	
BROMOMETHANE	<1.0	
CHLOROETHANE	<1.0	
TRICHLOROFLUOROMETHANE	<1.0	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<1.0	
DICHLOROMETHANE	<1.0	
CARBON DISULFIDE	<1.0	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<1.0	
VINYL ACETATE	<5.0	
1,1-DICHLOROETHANE	<1.0	
22 DICHLOROPROPANE	<1.0	
METHYL ETHYL KETONE	<5.0	
CIS 12 DICHLOROETHYLENE	<1.0	
BROMOCHLOROMETHANE	<1.0	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<1.0	

CARBON TETRACHLORIDE	<1.0
11-DICHLOROPROPENE	<1.0
BENZENE	<1.0
1,2-DICHLOROETHANE	<1.0
TRICHLOROETHYLENE	<1.0
12 DICHLOROPROPANE	<1.0
DIBROMOMETHANE	<1.0
BROMODICHLOROMETHANE	<1.0
METHYL ISOBUTYL KETONE	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0
CIS 1,3-DICHLOROPROPENE	<1.0
TOLUENE	<1.0
TRANS-13 DICHLOROPROPENE	<1.0
1,1,2-TRICHLOROETHANE	<1.0
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	KO.51
13-DICHLOROPROPANE	<1.0
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<1.0
MONOCHLOROBENZENE	<1.0
1,1,1,2TETRACHLOROETHANE	<1.0
ETHYL BENZENE	<1.0
TOTAL XYLENES	<3.0
STYRENE	<1.0
ISOPROPYL BENZENE	<1.0
BROMOFORM	<1.0
BROMOBENZENE	<1.0
1122 TETRACHLOROETHANE	<1.0
123 TRICHLOROPROPANE	<1.0
N-PROPYLBENZENE	<1.0
O-CHLOROTOLUENE	<1.0
P-CHLOROTOLUENE	<1.0
135 TRIMETHYLBENZENE	<1.0
TERT-BUTYLBENZENE	<1.0
124 TRIMETHYLBENZENE	<1.0
SEC-BUTYLBENZENE	<1.0
M-DICHLOROBENZENE	<1.0
P ISOPROPYLTOLUENE	<1.0
P-DICHLOROBENZENE	<1.0
O-DICHLOROBENZENE	<1.0
N-BUTYL BENZENE	<1.0
DIBROMOCHLOROPROPANE	<2.0
124 TRICHLOROBENZENE	<1.0
HEXACHLOROBUTADIENE	<1.0
NAPHTHALENE	<2.0
123 TRICHLOROBENZENE	<1.0
--SURROGATE RECOVERY	%RECOV
D4 1,2-DICHLOROETHANE	109.2
1,4-DIFLUOROBENZENE	106.7
D5-CHLOROBENZENE	103.8

02E-DOR-06527 **Continued from Previous Page, Sample Number: 02E-DOR-06527**

1,2-DICHLOROBENZENE-D4	126.6
ANALYSIS DATE	03/11/03

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately
RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
<= Less than K= Indicates a possible, non-confirmed trace level below the RL
Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: hmm QC: LH3

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

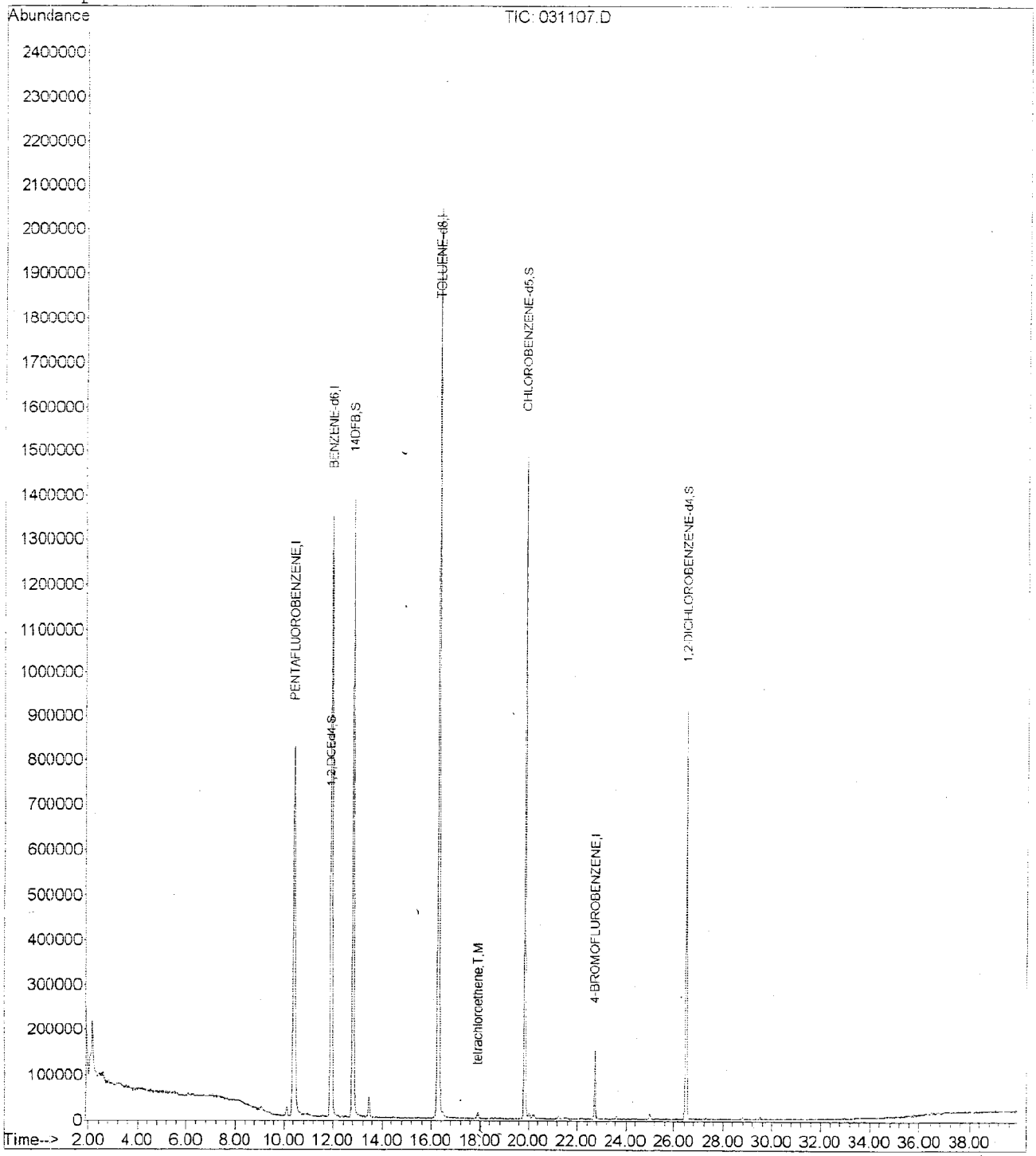
John A. Krueger, Director **Richard French, Quality Assurance Officer** **Larry Boston, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

Quantitation Report

Data File : D:\HPCHEM\1\DATA\031103\031107.D Vial: 7
Acq On : 11 Mar 2003 12:37 pm Operator: VAM
Sample : 02E-DOR-06527 Hancock/PW Inst : 8260MS
Misc : [02E-DOR-06527] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 12 7:16 2003 Quant Results File: 826003E.RE

Method : C:\HPCHEM\1\METHODS\826003E.M (RTE Integrator)
Title : EPA 8260B
Last Update : Wed Mar 05 09:18:13 2003
Response via : Initial Calibration



analytics environmental laboratory LLC

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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

April 25, 2003

SAMPLE DATA

Lab Sample ID: 49442-26
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: WW WELL/HANCOCK

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	110 %	d8-Toluene	101 %	Bromofluorobenzene	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

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PO Box 1107
Yarmouth, ME 04096-1107

May 1, 2003

SAMPLE DATA

Lab Sample ID:	49442-26
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/17/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: WW WELL/HANCOCK

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl 93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

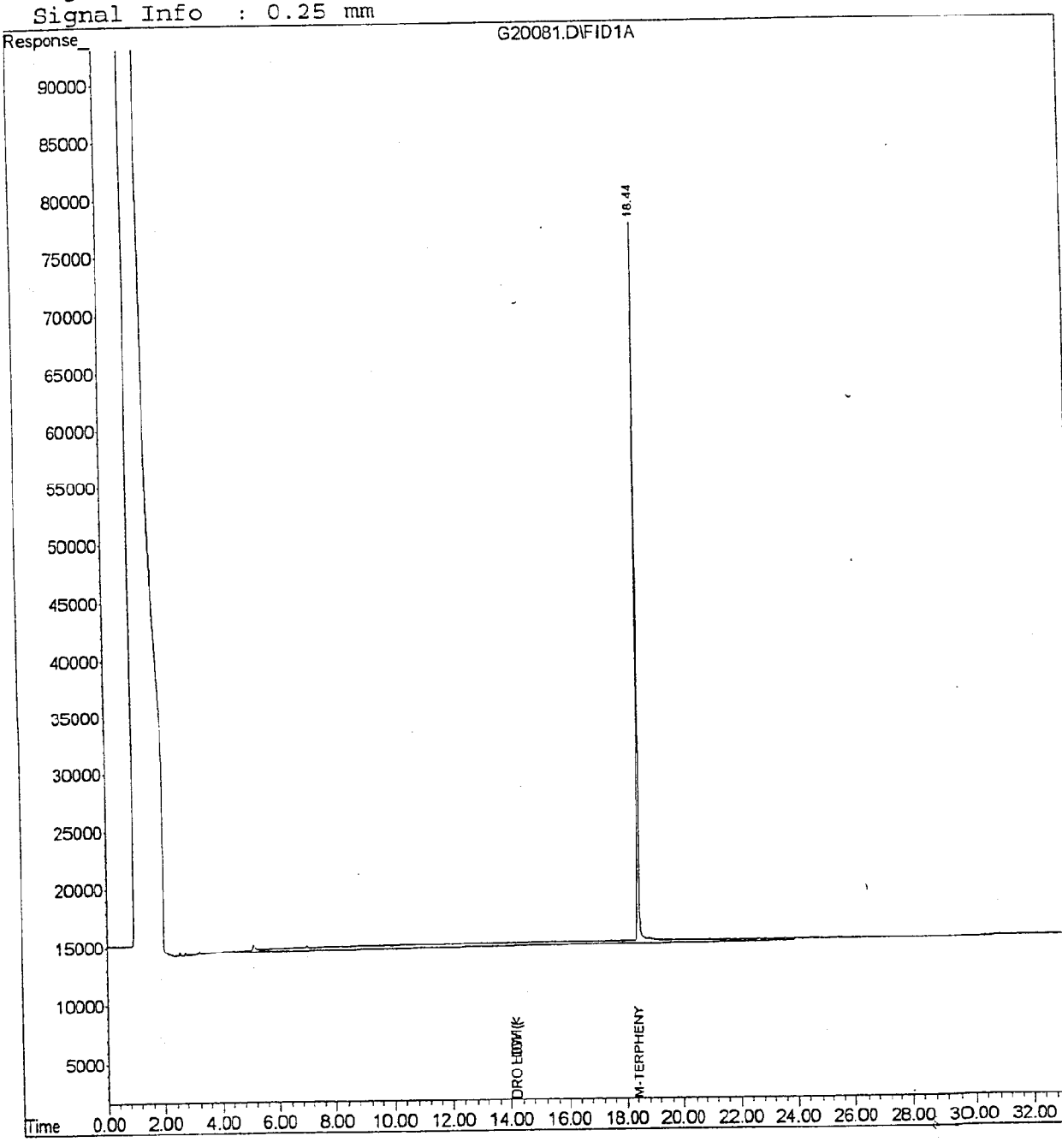
Authorized signature Melissa A Hall

Data File : D:\HPCHEM\2\DATA\042403-G\G20081.D
Acq On : 25 Apr 2003 11:38 am
Sample : 49442-26
Misc :
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:04 2003 Quant Results File: D04223.RES

Vial: 36
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

April 28, 2003

SAMPLE DATA

Lab Sample ID: 49442-27
Matrix: Aqueous
Percent Solid: NA
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: DW HANCOCK

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	0.5	U	1,3-Dichloropropane	0.5	U
Bromobenzene	0.5	U	cis-1,3-Dichloropropene	0.5	U
Bromochloromethane	0.5	U	trans-1,3-Dichloropropene	0.5	U
Bromodichloromethane	0.5	U	2,2-Dichloropropane	0.5	U
Bromoform	0.5	U	1,1-Dichloropropene	0.5	U
Bromomethane	0.5	U	Ethylbenzene	0.5	U
n-butylbenzene	0.5	U	Hexachlorobutadiene	0.5	U
sec-butylbenzene	0.5	U	Isopropylbenzene	0.5	U
tert-butylbenzene	0.5	U	p-isopropyltoluene	0.5	U
Carbon Tetrachloride	0.5	U	Methylene Chloride	0.5	U
Chlorobenzene	0.5	U	Methyl-tert-butyl ether	0.5	U
Chloroethane	0.5	U	Naphthalene	0.5	U
Chloroform	0.5	U	n-Propylbenzene	0.5	U
Chloromethane	0.5	U	Styrene	0.5	U
2-Chlorotoluene	0.5	U	1,1,1,2-Tetrachloroethane	0.5	U
4-Chlorotoluene	0.5	U	1,1,2,2-Tetrachloroethane	0.5	U
Dibromochloromethane	0.5	U	Tetrachloroethene	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	Toluene	0.5	U
1,2-Dibromoethane	0.5	U	1,2,3-Trichlorobenzene	0.5	U
Dibromomethane	0.5	U	1,2,4-Trichlorobenzene	0.5	U
1,2-Dichlorobenzene	0.5	U	1,1,1-Trichloroethane	0.5	U
1,3-Dichlorobenzene	0.5	U	1,1,2-Trichloroethane	0.5	U
1,4-Dichlorobenzene	0.5	U	Trichloroethene	0.5	**0.38 J**
Dichlorodifluoromethane	0.5	U	Trichlorofluoromethane	0.5	U
1,1-Dichloroethane	0.5	U	1,2,3-Trichloropropane	0.5	U
1,2-Dichloroethane	0.5	U	1,2,4-Trimethylbenzene	0.5	U
1,1-Dichloroethene	0.5	U	1,3,5-Trimethylbenzene	0.5	U
cis-1,2-Dichloroethene	0.5	U	Vinyl Chloride	0.5	U
trans-1,2-Dichloroethene	0.5	U	o-Xylene	0.5	U
1,2-Dichloropropane	0.5	U	m,p-Xylene	0.5	U
Acetone	5	U	Diethyl ether	0.5	U
Carbon Disulfide	0.5	U	2-Hexanone	5	U
Tetrahydrofuran	2.5	U	Methyl isobutyl ketone	5	U
Methyl ethyl ketone	5	U	Di-isopropyl ether (DIPE)	0.5	U
t-Butyl alcohol (TBA)	10	U	Ethyl t-butyl ether (ETBE)	0.5	U
t-Amyl methyl ether (TAME)	0.5	U			

Surrogate Standard Recovery

1,4-Difluorobenzene	94 %	Bromofluorobenzene	84 %	1,2-Dichlorobenzene-d4	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to EPA 600, Method 524.2

COMMENTS:

NH 524 full

Authorized signature

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 1, 2003

SAMPLE DATA

Lab Sample ID:	49442-27
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/17/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: DW HANCOCK

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	94	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

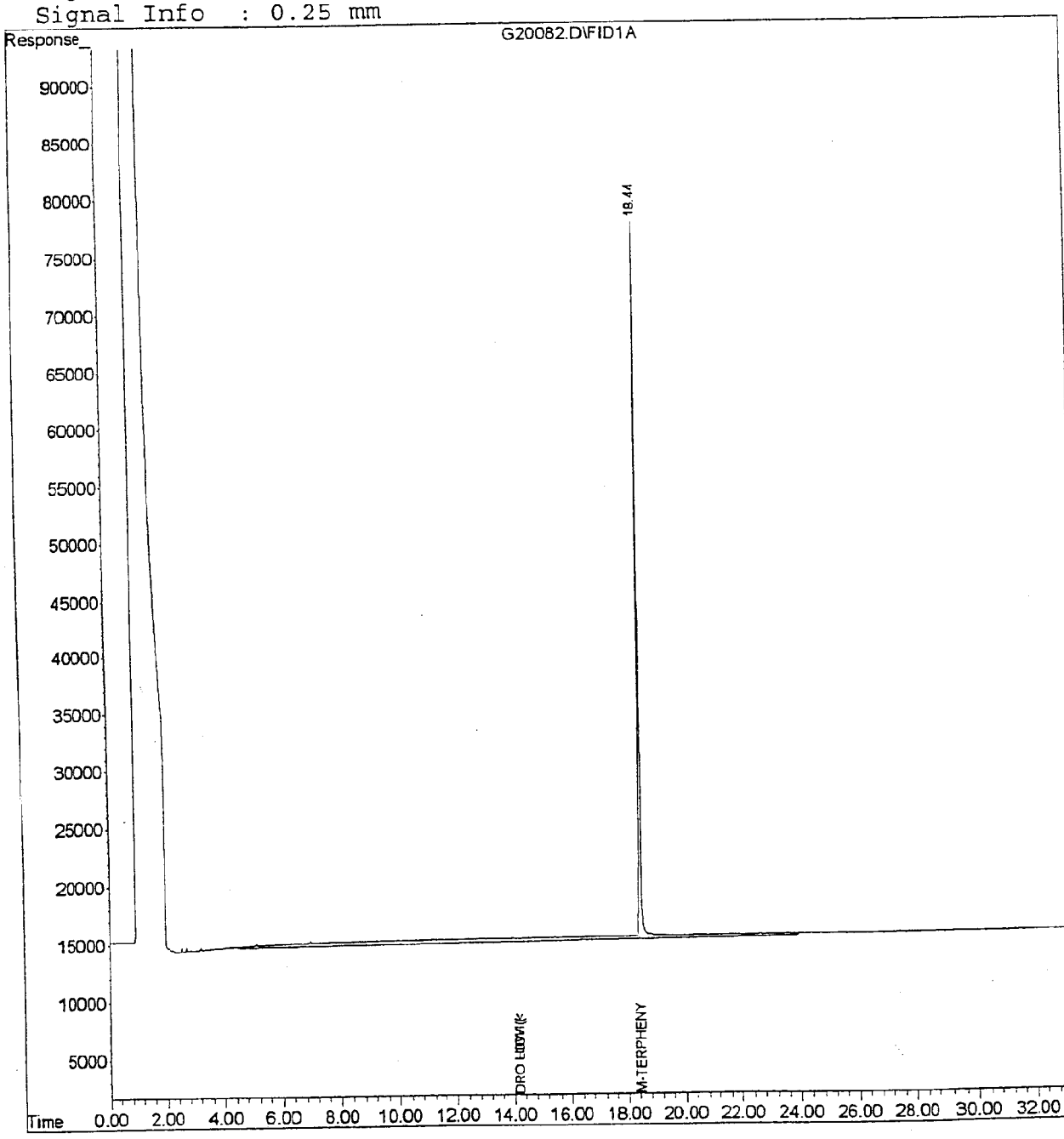
Authorized signature Melissa A Kuhl

Data File : D:\HPCHEM\2\DATA\042403-G\G20082.D
Acq On : 25 Apr 2003 12:17 pm
Sample : 49442-27
Misc :
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:05 2003 Quant Results File: D04223.RES

Vial: 37
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

April 28, 2003

SAMPLE DATA

Lab Sample ID: 49442-28
Matrix: Aqueous
Percent Solid: NA
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: BB WELL/HANCOCK

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	0.5	U	1,3-Dichloropropane	0.5	U
Bromobenzene	0.5	U	cis-1,3-Dichloropropene	0.5	U
Bromochloromethane	0.5	U	trans-1,3-Dichloropropene	0.5	U
Bromodichloromethane	0.5	U	2,2-Dichloropropane	0.5	U
Bromoform	0.5	U	1,1-Dichloropropene	0.5	U
Bromomethane	0.5	U	Ethylbenzene	0.5	U
n-butylbenzene	0.5	U	Hexachlorobutadiene	0.5	U
sec-butylbenzene	0.5	U	Isopropylbenzene	0.5	U
tert-butylbenzene	0.5	U	p-isopropyltoluene	0.5	U
Carbon Tetrachloride	0.5	U	Methylene Chloride	0.5	U
Chlorobenzene	0.5	U	Methyl-tert-butyl ether	0.5	U
Chloroethane	0.5	U	Naphthalene	0.5	U
Chloroform	0.5	U	n-Propylbenzene	0.5	U
Chloromethane	0.5	U	Styrene	0.5	U
2-Chlorotoluene	0.5	U	1,1,1,2-Tetrachloroethane	0.5	U
4-Chlorotoluene	0.5	U	1,1,2,2-Tetrachloroethane	0.5	U
Dibromochloromethane	0.5	U	Tetrachloroethene	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	Toluene	0.5	U
1,2-Dibromoethane	0.5	U	1,2,3-Trichlorobenzene	0.5	U
Dibromomethane	0.5	U	1,2,4-Trichlorobenzene	0.5	U
1,2-Dichlorobenzene	0.5	U	1,1,1-Trichloroethane	0.5	U
1,3-Dichlorobenzene	0.5	U	1,1,2-Trichloroethane	0.5	U
1,4-Dichlorobenzene	0.5	U	Trichloroethene	0.5	U
Dichlorodifluoromethane	0.5	U	Trichlorofluoromethane	0.5	U
1,1-Dichloroethane	0.5	U	1,2,3-Trichloropropane	0.5	U
1,2-Dichloroethane	0.5	U	1,2,4-Trimethylbenzene	0.5	U
1,1-Dichloroethene	0.5	U	1,3,5-Trimethylbenzene	0.5	U
cis-1,2-Dichloroethene	0.5	U	Vinyl Chloride	0.5	U
trans-1,2-Dichloroethene	0.5	U	o-Xylene	0.5	U
1,2-Dichloropropane	0.5	U	m,p-Xylene	0.5	U
Acetone	5	U	Diethyl ether	0.5	U
Carbon Disulfide	0.5	U	2-Hexanone	5	U
Tetrahydrofuran	2.5	U	Methyl isobutyl ketone	5	U
Methyl ethyl ketone	5	U	Di-isopropyl ether (DIPE)	0.5	U
t-Butyl alcohol (TBA)	10	U	Ethyl t-butyl ether (ETBE)	0.5	U
t-Amyl methyl ether (TAME)	0.5	U			

Surrogate Standard Recovery

1,4-Difluorobenzene	99 %	Bromofluorobenzene	83 %	1,2-Dichlorobenzene-d4	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to EPA 600, Method 524.2

COMMENTS:

NH 524 full

Authorized signature

analytics environmental laboratory LLC

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

May 1, 2003

SAMPLE DATA

Lab Sample ID:	49442-28
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/17/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

CLIENT SAMPLE ID

Project Name:	DRU 054-03 (PBWO #107)
Project Number:	
Field Sample ID:	BB WELL/HANCOCK

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl 83 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

DRO Report

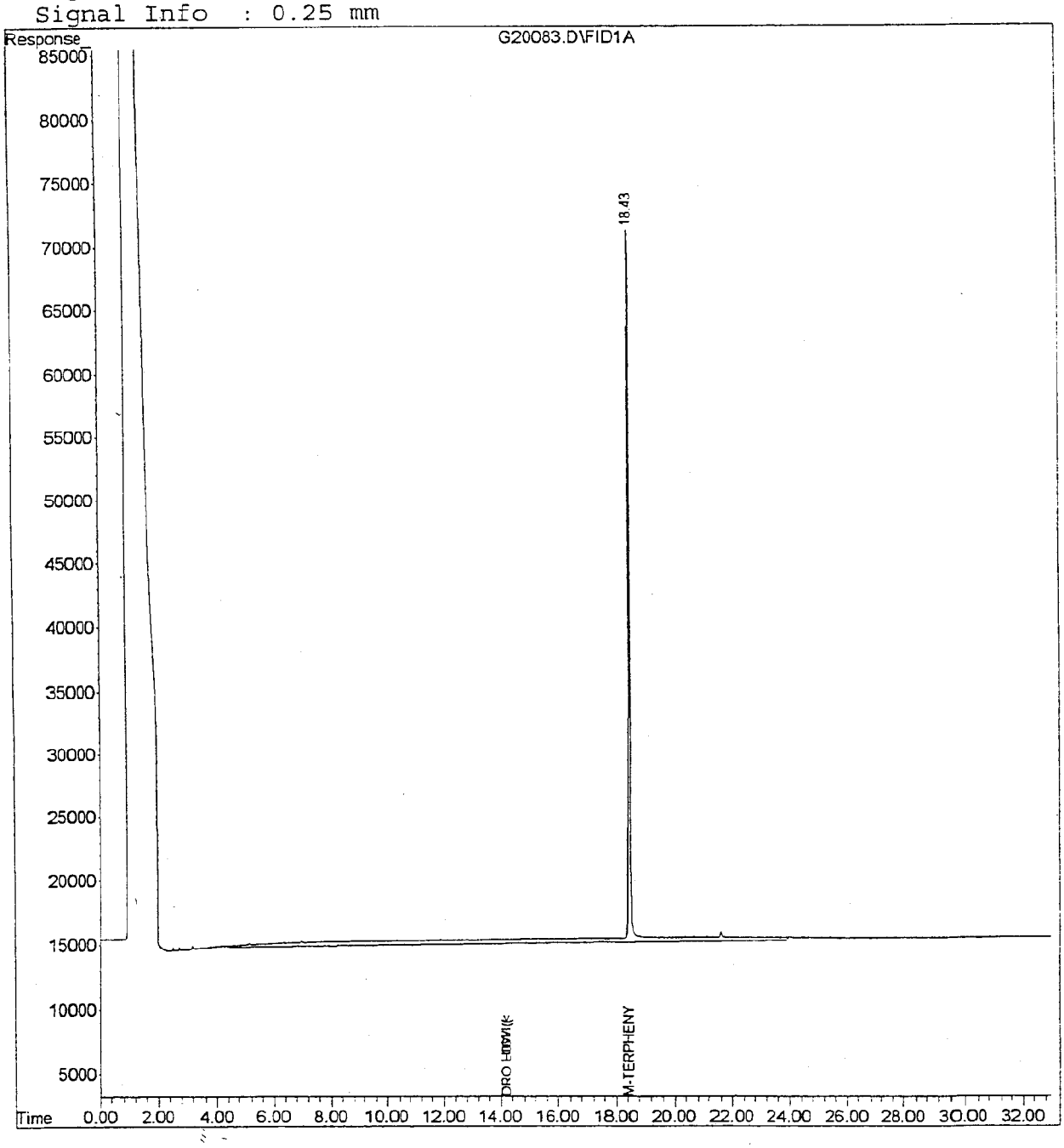
Authorized signature [signature]

Data File : D:\HPCHEM\2\DATA\042403-G\G20083.D
Acq On : 25 Apr 2003 12:57 pm
Sample : 49442-28
Misc :
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:05 2003 Quant Results File: D04223.RES

Vial: 38
Operator: MT
Inst : Instr. G
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

April 25, 2003

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: PW WELL/HANCOCK

SAMPLE DATA

Lab Sample ID: 49442-29
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 04/17/03
Lab Receipt Date: 04/22/03
Analysis Date: 04/24/03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	97 %	d8-Toluene	102 %	Bromofluorobenzene	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

May 1, 2003

SAMPLE DATA

Lab Sample ID:	49442-29
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	04/17/03
Lab Receipt Date:	04/22/03
Extraction Date:	04/23/03
Analysis Date:	04/25/03

CLIENT SAMPLE ID

Project Name: DRU 054-03 (PBWO #107)

Project Number:

Field Sample ID: PW WELL/HANCOCK

ANALYTICAL RESULTS DIESEL RANGE ORGANICS

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analyzed according to "Maine HETL Method 4.1.25, September 6, 1995".

COMMENTS:

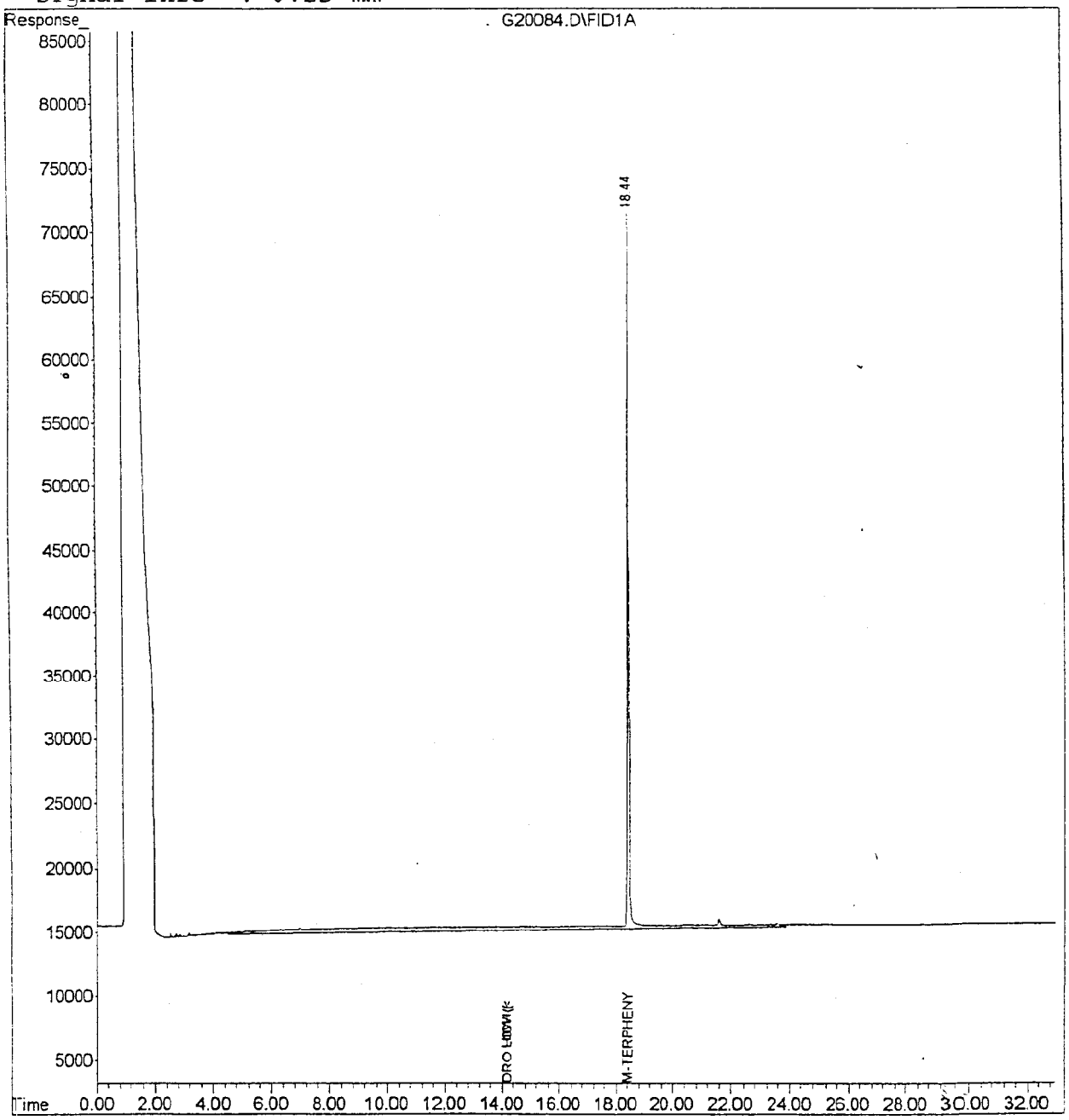
Authorized signature Melissa A Kalli

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\2\DATA\042403-G\G20084.D Vial: 39
Acq On : 25 Apr 2003 1:36 pm Operator: MT
Sample : 49442-29 Inst : Instr. G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Apr 28 17:06 2003 Quant Results File: D04223.RES

Quant Method : C:\HPCHEM\2\METHODS\D04223.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Apr 23 14:21:12 2003
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



3E-DOR-04492

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
KATHY NIZIOLEK
ME. DEP SHS #17
AUGUSTA, ME. 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 02019
Collection Date 08/21/2003 **Analysis Validation Date** 08/27/03 **Print Date** 08/27/03
Sample Location
TRIP BLANK CASCO/CUMBERLAND

ANALYTICAL RESULTS:

HETL Sample Number 03E-DOR-04492 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** KATHY NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
NO COMPOUNDS COVERED BY THIS METHOD WERE DETECTED.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<1.0	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	
CARBON TETRACHLORIDE	<0.5	
11-DICHLOROPROPENE	<0.5	

BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	95.6
1,2-DICHLOROBENZENE-D4	91.6
ANALYSIS DATE	08/26/03

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately

RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis

<= Less than K= Indicates a possible, non-confirmed trace level below the RL

Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: QC:

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Jim Curlett, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

Visit our Web Site at: www.state.me.us\dhs\etl

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
KATHY NIZIOLEK
ME. DEP SHS #17
AUGUSTA, ME. 04333

Test Request Codes:
TSN
Appropriation Number: DEP-

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 02019
Collection Date 08/21/2003 **Analysis Validation Date** 08/27/03 **Print Date** 08/27/03
Sample Location
LONDON CASCO/CUMBERLAND

ANALYTICAL RESULTS:

HETL Sample Number 03E-DOR-04493 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** KATHY NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
RESULTS FOLLOW.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<1.0	
MTBE	1.4	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	
CARBON TETRACHLORIDE	<0.5	
11-DICHLOROPROPENE	<0.5	

BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	96.0
1,2-DICHLOROBENZENE-D4	91.3
ANALYSIS DATE	08/26/03

Summary of Notations used in Reporting Analytical Results:

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RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
<= Less than K= Indicates a possible, non-confirmed trace level below the RL
Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: JB QC: mm

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Jim Curlett, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

HEALTH & ENVIRONMENTAL TESTING LABORATORY: CHAIN OF CUSTODY SAMPLE RECORD (Revised 6/99)

phone (207) 287-2727 address: 221 State Street Augusta, ME 04333 NO: 033526

Sample date (YY/MM/DD):	2003/08/21
Project Name:	PBWO Casco
Sampler:	Niziolek
Do you want all project results sent together?	(yes) no
Appropriation/Activity:	018 06A 0247 142 7665.2
Town/County:	Casco / Cumberland
Send Results to: (full address)	K. Niziolek DEP SHS 17 Augusta ME 04333
Bill to: (full address)	Same

02019 **Custody Record:**

Relinquished by:	Received by:	Date/Time
Kathy Niziolek	[illegible]	[illegible]

Client comments:

Is this a DEP PROJECT (circle)? (yes) no

Analysis Requested:

Location	Time	Client #	HETL #	Matrix Soil Water Air Neat	Preservative	Duplicate	VOC: PPV 8260	VOC: MBTEX-MS	VOC: TSM	VOC: TSN 524.2	SVOC: DRO	SVOC: ABN 8270	SVOC: PAH 8270	SVOC: Pest 8081	SVOC: PCB 8081	SVOC: TQ1 Herb	SVOC: Acids 8270	SVOC: Acid/Neutrals	SVOC: TCLP Org	SVOC: Base/Neutrals	INORGANICS: 8 RCRA Metals	INORGANICS: Total P	INORGANICS: TCLP Metals	other
London	14:30	03EDOR	04493	Water	X	X	X			X														
TB		03EDOR	04492	↓			↓			X														

white copy -- HETL shipping room yellow copy -- HETL section supervisor pink copy -- HETL analyst gold copy -- retained by sampler

PLE PRI ND I DO IRM /ITH L PC PEN

Visit our Web Site at: www.state.me.us\dhs\etl

ORGANICS SECTION REPORT

MAINE HEALTH AND ENVIRONMENTAL
TESTING LABORATORY
221 State Street, Station #12
Department of Human Services
Augusta, Maine 04333
Tel. No. 207-287-1716 Fax. No. 207-287-6832

HETL

Office Use Only:
DOR
DEPP
TO BE BILLED

To:
K. NIZIOLEK
ME. DEP SHS #17
AUGUSTA, ME. 04333-0017

Test Request Codes:
TSN
Appropriation Number: DEP-, PN: 02488

Please Retain This Report for your Invoice Records.

SAMPLE DEMOGRAPHICS AND LOCATION DATA:

Project Name PBWO CASCO **Project Number** 02488
Collection Date 12/16/2003 **Analysis Validation Date** 12/18/2003 **Print Date** 12/18/2003
Sample Location
JOHNSON CASCO/CUMBERLAND

ANALYTICAL RESULTS:

HETL Sample Number 03E-DOR-04495 **User Number:**
Sample Matrix WATER **Sample Point** **Sampled by** NIZIOLEK

Analytical Test	Results	Units
EPA METHOD 524.2		
NO COMPOUNDS COVERED BY THIS METHOD WERE DETECTED.		ug/L
DICHLORODIFLUOROMETHANE	<0.5	
CHLOROMETHANE	<0.5	
VINYL CHLORIDE	<0.5	
BROMOMETHANE	<0.5	
CHLOROETHANE	<0.5	
TRICHLOROFLUOROMETHANE	<0.5	
ACETONE	<5.0	
1,1-DICHLOROETHYLENE	<0.5	
CARBON DISULFIDE	<1.0	
DICHLOROMETHANE	<1.0	
MTBE	<1.0	
T-1,2 DICHLOROETHYLENE	<0.5	
1,1-DICHLOROETHANE	<0.5	
METHYL ETHYL KETONE	<5.0	
22 DICHLOROPROPANE	<0.5	
CIS 12 DICHLOROETHYLENE	<0.5	
BROMOCHLOROMETHANE	<0.5	
CHLOROFORM	<1.0	
111 TRICHLOROETHANE	<0.5	
CARBON TETRACHLORIDE	<0.5	

11-DICHLOROPROPENE	<0.5
BENZENE	<0.5
1,2-DICHLOROETHANE	<0.5
TRICHLOROETHYLENE	<0.5
12 DICHLOROPROPANE	<0.5
DIBROMOMETHANE	<0.5
BROMODICHLOROMETHANE	<1.0
METHYL ISOBUTYL KETONE	<1.0
CIS 1,3-DICHLOROPROPENE	<0.5
TOLUENE	<0.5
TRANS-13 DICHLOROPROPENE	<0.5
1,1,2-TRICHLOROETHANE	<0.5
2-HEXANONE	<1.0
TETRACHLOROETHYLENE	<0.5
13-DICHLOROPROPANE	<0.5
CHLORODIBROMOMETHANE	<1.0
ETHYLENE DIBROMIDE	<0.5
MONOCHLOROBENZENE	<0.5
1,1,1,2TETRACHLOROETHANE	<0.5
ETHYL BENZENE	<0.5
TOTAL XYLENES	<1.0
STYRENE	<0.5
BROMOFORM	<1.0
ISOPROPYL BENZENE	<0.5
BROMOBENZENE	<0.5
1122 TETRACHLOROETHANE	<0.5
123 TRICHLOROPROPANE	<0.5
N-PROPYLBENZENE	<0.5
O-CHLOROTOLUENE	<0.5
P-CHLOROTOLUENE	<0.5
135 TRIMETHYLBENZENE	<0.5
TERT-BUTYLBENZENE	<0.5
124 TRIMETHYLBENZENE	<0.5
SEC-BUTYLBENZENE	<0.5
M-DICHLOROBENZENE	<0.5
P ISOPROPYLTOLUENE	<0.5
P-DICHLOROBENZENE	<0.5
O-DICHLOROBENZENE	<0.5
N-BUTYL BENZENE	<0.5
DIBROMOCHLOROPROPANE	<1.0
NITROBENZENE	<10.0
124 TRICHLOROBENZENE	<0.5
HEXACHLOROBUTADIENE	<0.5
NAPHTHALENE	<0.5
123 TRICHLOROBENZENE	<0.5
SURROGATE RECOVERY	%RECOV
4-BROMOFLUOROBENZENE	108.2
1,2-DICHLOROBENZENE-D4	104.6
ANALYSIS DATE	12/17/03

Summary of Notations used in Reporting Analytical Results:

NC= Not Confirmed NQ= Not Quantitated NA= Not Analyzed J= Approximately
RL= Reporting Limit, the lowest concentration which can be reliably reported on a routine basis
<= Less than K= Indicates a possible, non-confirmed trace level below the RL
Note: Results below the advisory limit, including < and K are considered satisfactory for that parameter.

Analyst: QC:

CERTIFICATION FOR SAMPLE/PROJECT: **Total Pages In Report: 3**

The HETL hereby certifies that all test results for this sample were analyzed by the approved method listed, including preservation, prep, and holding times, unless otherwise indicated.

John A. Krueger, Director **Richard French, Quality Assurance Officer** **Jim Curlett, Section Supervisor**

If we can be of further assistance to you, Please Call us at 287-1712, and ask for the Organics Section.

HEALTH & ENVIRONMENTAL TESTING LABORATORY: CHAIN OF CUSTODY SAMPLE RECORD (Revised 6/99)

phone (207) 287-2727 address: 221 State Street Augusta, ME 04333

NO: 034625

Sample date (YY/MM/DD):	2003/12/16
Project Name:	PBWO Casco
Sampler:	Niziolek
Do you want all project results sent together?	yes no
Appropriation/Activity:	0180WA0247 1427665.2
Town/County:	Casco / Cumberland
Send Results to: (full address)	K. Niziolek DEP
Bill to: (full address)	Same

Custody Record: 02488

Relinquished by:	Received by:	Date/Time
K. Niziolek	Lena Raymond	[illegible]

Client comments: Temp ≈ 13°C

Is this a DEP PROJECT (circle)? yes no

Analysis Requested:

Location	Time	Client #	HETL #	Matrix Soil Water Air Neat	Preservative	Duplicate	VOC: PPV 8260	VOC: MBTEX-MS	VOC: TSM	VOC: TSN 524.2	SVOC: DRO	SVOC: ABN 8270	SVOC: PAH 8270	SVOC: Pest 8081	SVOC: PCB 8081	SVOC: TQ1 Herb	SVOC: Acids 8270	SVOC: Acid/Neutrals	SVOC: TCLP Org	SVOC: Base/Neutrals	INORGANICS: 8 RCRA Metals	INORGANICS: Total P	INORGANICS: TCLP Metals	INORGANICS: other
Johnson		03EDOR	04495	W	X	X				X														

white copy – HETL shipping room yellow copy – HETL section supervisor pink copy – HETL analyst gold copy – retained by sampler

** PL[illegible] PR[illegible] AND [illegible] R DC FIRM WITH [illegible] L P[illegible] PEN