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DRIFTWOOD BAY RRS ALASKA

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 09

File:
S.H. 17A 14-1

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**United States Air Force
611th Air Support Group
611th Civil Engineer
Squadron**

Elmendorf AFB, Alaska

FINAL

**Site Investigation
Driftwood Bay RRS, Alaska**

June, 2000

DRIFTWOOD BAY RADIO RELAY STATION SITE INVESTIGATION, JUNE, 2000

1. INTRODUCTION

Driftwood Bay Radio Relay Station (Driftwood Bay RRS) is located on the northeast side of Unalaska Island in the Aleutian Islands chain, approximately 780 miles southwest of Anchorage and 13.5 miles northwest of the city of Unalaska. In order to fulfill internal data requirements for the completion of relative risk scoring, three sites at Driftwood Bay RRS have been identified as requiring further investigation: AOC 02, AOC 04, and AOC 05.

II. SITE HISTORY

Construction of Driftwood Bay RRS began in 1957. The site was activated in 1961 and deactivated in 1977. Environmental investigations and remediation activities began with the USAF 5099th Civil Engineering Squadron in 1984. This was followed by a Site Inspection (SI) conducted by the U. S. Army Corps of Engineers (COE) in 1985, site inventory and sampling performed by Ocean Technology in 1988, demolition and site restoration activities performed in 1991 by Anderson Excavating, UST site investigations conducted by Environmental Management, Inc. in 1991, and a Preliminary Assessment/Site Inspection (PA/SI) performed by EMCON Alaska, Inc. (EMCON) in 1995.

The objectives of the PA/SI were to identify areas requiring further investigation, remediation, or other environmental actions such as a risk assessment.

III. GEOLOGY AND HYDROLOGY

The PA/SI report (Jan 1996) states that Unalaska Island is predominately composed of volcanic rocks of andesitic and basaltic composition of Tertiary and Quaternary age associated with the Makushin Volcano. Granodiorite also crops out on the island. Glacial till, derived from the volcanic rocks, is reported to be at least 20 feet thick in the vicinity of Driftwood Bay RRS.

Surface drainage consists of intermittent streams. Humpy Creek and Snuffy Creek are located east of the composite building in the vicinity of the airstrip. Both streams empty into Driftwood Bay on the north side of Unalaska Island. Depth to groundwater and groundwater characteristics are unknown at the site.

IV. AOC 02, SEPTIC TANK AND LEACH FIELD

A septic tank and leach field is located approximately 130 feet east of the Composite Building Foundation. This site was not evaluated during the 1995 field activities. The PA/SI recommended that the tank and piping be removed and soil samples collected if warranted.

To fulfill the data requirements for completion of the risk assessment, soil sampling is required. It was anticipated that sampling will be performed with either a backhoe or push drill at this location. An attempt was made to collect two subsurface soil samples following the protocol specified in Section VII. The samples were to be analyzed for Diesel Range Organics (DRO), Residual Range Organics (RRO), Gasoline Range Organics (GRO), benzene, toluene, ethylbenzene, and xylene (BTEX), Volatile Organics, Semi-Volatile Organics, and RCRA metals.

V. AOC 04, FORMER WATER SUPPLY PUMPHOUSE

A concrete water pumphouse had been located along the access road which runs from the airstrip to the Composite Building. A 550 gallon diesel underground storage tank (UST) was reported to be on the west side of the pumphouse. However, the UST was never found during the SI conducted in 1985 nor during demolition activities in 1991 and the PA/SI conducted in 1995. No soil samples have been collected from this site.

A suitable geophysical method was to be used to determine whether a UST is actually present at the site. If the UST was not located, two subsurface soil samples were to be collected in the vicinity of the supposed location of the UST based upon past documents, as-built diagrams, or other useful information.

In the event that a UST were to be located, further work at the site will be governed by the regulations contained within 18 AAC 78.

VI. AOC 05, FORMER LIGHTING VAULT

The former Lighting Vault is located southwest of the airstrip. In 1991 three USTs were removed from the east-northeast side of the foundation. The PA/SI states that "it is assumed SIs were done at the time of the excavation but this information has not been verified." During the PA/SI in 1995, one surface soil sample was collected and analyzed for PCBs and pesticides. Both analytes were non-detect.

In order to provide the data for completion of a risk assessment five soil samples were to be obtained from this site, two surface and three subsurface. One surface sample will be collected from each of the rectangular soil samples within the foundation. The subsurface samples will be obtained from the former location of the USTs.

The samples will be analyzed for PCBs, DRO, RRO, GRO, BTEX, Volatile Organics, Semi-Volatile Organics, and ADEC metals.

VII. SAMPLING PROTOCOL

a. Surface Soil Samples

In areas that have obviously been subjected to surface spills, leaks, or dumping it is advantageous to collect soil samples from 0-12 inches in depth

When collecting surface soil samples, clean, new, disposable latex gloves were worn during the entire sampling procedure. Clean stainless steel implements (such as spoons, trowels, and bowls) were used for each separate sampling event (refer to Section X, Decontamination Procedures).

b. Surface Water Samples

Procedures for collecting a water sample normally consist of

- 1) Wearing clean, new, disposable latex gloves during the entire sampling procedure.
- 2) Collecting the sample by slowly submerging a decontaminated glass beaker into the water body to be sampled
- 3) Filling the appropriate laboratory prepared sample container with water from the beaker in the following order: volatiles, GRO, DRO/RRO, RCRA metal
- 4) If free product is encountered, two 4 ounce bottles will be collected by following the procedures specified above

VIII. DECONTAMINATION PROCEDURES

All reusable sampling equipment was decontaminated prior to taking the first sample and between each subsequent sample. Protective gloves were used when decontaminating sampling equipment. Decontamination procedures were as follows

- 1) Any excess soil from the sampling equipment was scraped off.
- 2) the equipment was washed and scrubbed in diluted laboratory grade detergent
- 3) This was followed by a tap water rinse, and a subsequent
- 4) Distilled water rinse.

All equipment used in sampling for PCBs was packaged for decontamination in town

FIELD WORK AND RESULTS AT DRIFTWOOD BAY

IX AOC O2, SEPTIC TANK AND LEACH FIELD

The same landslide which covered the former water supply pumphouse has also blocked the road to top camp, where the road passes in front of the pumphouse. No samples were collected at top camp.

X AOC 04, FORMER WATER SUPPLY PUMPHOUSE

The former water supply pumphouse is located along a small stream that crosses the lower portion of the road to top camp. This stream has cut a narrow steep canyon into the colluvium below top camp. The edges of this canyon have collapsed, leaving coarse rubble covering the location of the pumphouse. The concrete could not be seen, and no sampling was possible here.

XI AOC 05, FORMER LIGHTING VAULT

The former runway lighting vault was found to be about 650 feet west of the west side of the runway. The left-hand portion of sheet two is drawn as a schematic diagram, not as a map drawn to scale. Five samples were taken from around the perimeter of the building, on all sides excluding the former UST area on the east end of the building. Analytical data for these samples indicates all analytes are either nondetect or well within the regulatory set forth in 18 AAC 75, tables B1 and C.

XII ANALYSIS OF DATA

The volatile and semivolatile (EPA Methods 8260 and 8270) chromatogram peaks were partially covered up and obscured by high carbon alkane peaks of Residual Range Organic peaks. Because an internal standard was used (which always is determined as less than 100%), the data is biased on the high side as a margin of safety. In reality, the site is probably cleaner than the data shows.

TAB

Analytical Data & Summary

Summary of Analytical Data, Driftwood Bay, Jul 2000

Sample Number	Location	EPA Methods					
		BTEX	AK 101 GRO	AK 102 DRO	RRO	Volatile	Semi Vol
No Compound or combinations thereof exceed regulatory limits of 18 AAC 75							
5012300801	NE side lighting vault	U	U	31.7	115	U	1.45
5012300802	NW side lighting vault	U	U	30	81.4	U	31.53
5012300803	W side lighting vault	U	U	13	22.5	U	U
5012300804	SW side lighting vault	U	U	U	24.6	U	5.48
5012300805	SE side lighting vault	U	U	U	U	U	U
5012300806	Trip Blank	U					

All data are in mgm/Kg
U represents data below minimum detection levels



CT&E Environmental Services Inc.

Laboratory Division

Laboratory Analysis Report

200 W Potter Drive
Anchorage, AK 99518-1605
Tel. (907) 562-2343
Fax: (907) 561-5301
Web: <http://www.cteesi.com>

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Carl Hornig
611 CES/CEVO
6260 Arctic Warrior Drive
Elmendorf AFB, AK 995064420

Work Order:	1004160
	Driftwood Bay
Client:	Graybar Electric
Report Date:	August 16, 2000

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by CT&E. A copy of our Quality Control Manual that outlines this program is available at your request.

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth in our Quality Assurance Program Plan.

If you have any questions regarding this report or if we can be of any other assistance, please call your CT&E Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

- U Indicates the analyte was analyzed for but not detected.
- J Indicates an estimated value that falls below PQL, but is greater than the MDL.
- B Indicates the analyte is found in the blank associated with the sample.
- * The analyte has exceeded allowable limits.
- GT Greater Than
- D Secondary Dilution
- LT Less Than
- ! Surrogate out of range



CT&E Environmental Services Inc.

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CT&E Ref.# 1004160001
 Client Name Graybar Electric
 Project Name/# Driftwood Bay
 Client Sample ID 5012300801
 Matrix Soil/Solid
 Ordered By

Client PO#
 Printed Date/Time 08/16/2000 14:10
 Collected Date/Time 07/27/2000 12:50
 Received Date/Time 07/28/2000 15:56
 Technical Director Stephen C. Ede

Released By *J. W. Underbank*

Sample Remarks:

DRO/RRO - LCSD Diesel spike recovery is biased low (74%), LCS spike recovery meets QC criteria, results may be biased.

RRO - Surrogate recoveries outside controls due to matrix interference.

DRO/RRO - Unknown hydrocarbon with several peaks.

8260-LCS- 2-Chloroethyl vinyl ether exceeded QC limits low (61.9%). Analyte will be estimated in the associated samples.

8270- Surrogate recovery for terphenyl-d14 is biased high possibly due to matrix

8270 - Internal standards chrysene-d12 and perylene-d12 are biased low. The result for pyrene may be biased high.

8270 - LCS/LCSD recovery for pyrene is biased high. The result for this compound may be biased high.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Solids								
Total Solids	92.6		%	SM20 2540G		07/31/00	AKL	
Metals by ICP/MS								
Barium	30.0	7.99	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Vanadium	31.9	0.799	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Volatile Fuels Department								
Gasoline Range Organics	1.94 U	1.94	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Benzene	0.00968 U	0.00968	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Toluene	0.0387 U	0.0387	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Ethylbenzene	0.0387 U	0.0387	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
P & M-Xylene	0.0387 U	0.0387	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
o-Xylene	0.0387 U	0.0387	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Surrogates								
1,4-Difluorobenzene <Sur>	86.4		%	AK101/8021B	60-120	07/27/00	08/05/00	MAH
4-Bromofluorobenzene <Sur>	58.4		%	AK101/8021B	50-150	07/27/00	08/05/00	MAH
Semivolatile Organic Fuels Department								
Range Organics	31.7	10.6	mg/Kg	AK102/103		08/01/00	08/02/00	MCM
K Total Range Organics GC	115	17.5	mg/Kg	AK102/103		08/01/00	08/02/00	MCM



CT&E Ref.# 1004160001
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300801
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/16/2000 14:10
Collected Date/Time 07/27/2000 12:50
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Fuels Department								
Surrogates								
5a Androstane <surr>	84.6		%	AK102/103	60-120	08/01/00	08/02/00	MCM
d-Triantane <Sur>	180	!	%	AK102/103	60-120	08/01/00	08/02/00	MCM
Semivolatile Organic Gas Chromatography								
alpha-BHC	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
b-HC	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Chlordane	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
alpha-Chlordane	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
gamma-BHC (Lindane)	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
delta-BHC	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Heptachlor	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aldrin	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1016	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1221	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Heptachlor epoxide	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1232	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Endosulfan I	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1242	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/07/00	LZ
4,4'-DDE	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1248	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Dieldrin	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1254	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1260	0.00475 U	0.00475	mg/Kg	SW846-8082		08/01/00	08/07/00	LZ
Endosulfan II	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDD	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin aldehyde	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDT	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endfan sulfate	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
L-ketone	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Methoxychlor	0.000475 U	0.000475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ



CT&E Ref.# 1004160001
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300801
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/16/2000 14:10
Collected Date/Time 07/27/2000 12:50
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Gas Chromatography								
Toxaphene	0.0475 U	0.0475	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Surrogates								
Tetrachloro-m-xylene <Sur>	70.1		%	SW846-8081A	25-120	08/01/00	08/07/00	LZ
Decachlorobiphenyl <Sur>	77.3		%	SW846-8082	36.1-124.9	08/01/00	08/09/00	WAA
Decachlorobiphenyl <Sur>	80.4		%	SW846-8081A	46-154	08/01/00	08/07/00	LZ
Gas Chromatography/Mass Spectroscopy								
Difluoromethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloromethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Vinyl chloride	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromomethane	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloroethane	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Trichlorofluoromethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Carbon disulfide	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Methylene chloride	0.0968 U	0.0968	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,2-Dichloroethene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Butanone (MEK)	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2,2-Dichloropropane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1-Trichloroethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
cis-1,2-Dichloroethene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromoform	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Carbon tetrachloride	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Benzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloropropene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
ethene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
chloropropane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Dibromomethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromodichloromethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



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Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,2-Trichloroethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Chloroethyl Vinyl Ether	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
cis-1,3-Dichloropropene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Methyl-2-pentanone (MIBK)	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Toluene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,3-Dichloropropene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Tetrachloroethene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichloropropane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloromethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1,2-Tetrachloroethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dibromoethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Ethylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
P & M -Xylene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
o-Xylene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Styrene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromoform	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Isopropylbenzene (Cumene)	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichloropropane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2,2-Tetrachloroethane	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Propylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Chlorotoluene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Chlorotoluene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3,5-Trimethylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
tert-Butylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trimethylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
sec-Butylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,4-Dichlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dichlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Butylbenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



CT&E Ref.# 1004160001
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300801
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/16/2000 14:10
Collected Date/Time 07/27/2000 12:50
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dibromo-3-chloropropane	0.194 U	0.194	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trichlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Hexachlorobutadiene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Naphthalene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichlorobenzene	0.0101 U	0.0101	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Surrogates								
1,1,1-trifluoromethane <surr>	111		%	SW846-8260B	80-118	07/27/00	08/05/00	SMS
1,1,1,2-tetrachloroethane-D4 <surr>	119		%	SW846-8260B	74-123	07/27/00	08/05/00	SMS
1,1,1,2-tetrachloroethane-d8 <surr>	109		%	SW846-8260B	79-130	07/27/00	08/05/00	SMS
4-Bromofluorobenzene <Sur>	85.5		%	SW846-8260B	71-141	07/27/00	08/05/00	SMS
Semivolatile Organic GC/MS								
N-Nitrosodimethylamine	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyridine	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Aniline	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Bis(2-Chloroethyl)ether	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,3-Dichlorobenzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorobenzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzyl alcohol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Dichlorobenzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylphenol (o-Cresol)	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
bis(2-chloroisopropyl)ether	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3&4-Methylphenol (p&m-Cresol)	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitroso-di-n-propylamine	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachloroethane	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
benzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
one	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
phenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dimethylphenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzoic acid	2.92 U	2.92	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



CT&E Ref.# 1004160001
Client Name Graybar Electric
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Client Sample ID 5012300801
Matrix Soil/Solid
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Collected Date/Time 07/27/2000 12:50
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Bis(2-Chloroethoxy)methane	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2,4-Trichlorobenzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Naphthalene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloroaniline	1.17 U	1.17	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorobutadiene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloro-3-methylphenol	1.17 U	1.17	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dichlorophenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylnaphthalene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Chlorocyclopentadiene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Trichlorophenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4,5-Trichlorophenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chloronaphthalene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Nitroaniline	2.92 U	2.92	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-Chloronaphthalene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dimethylphthalate	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthylene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dinitrotoluene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3-Nitroaniline	2.92 U	2.92	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrophenol	2.92 U	2.92	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitrophenol	2.92 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzofuran	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrotoluene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Diethylphthalate	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chlorophenyl-phenylether	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluorene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitroaniline	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methyl-4,6-dinitrophenol	2.92 U	2.92	mg/Kg	SW846-8270C		08/01/00	08/02/00	I
N-Nitrosodiphenylamine	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	I
4-Bromophenyl-phenylether	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	I
Chlorobenzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	I
Chlorophenol	2.92 U	2.92	mg/Kg	SW846-8270C		08/01/00	08/02/00	I
Fluoranthrene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	I
Anthracene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	I



CT&E Ref.# 1004160001
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300801
Matrix Soil/Solid
Ordered By

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Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Di-n-butylphthalate	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluoranthene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyrene	1.45	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Azobenzene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Butylbenzylphthalate	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3,3-Dichlorobenzidine	1.17 U	1.17	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo(a)Anthracene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[a]pyrene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Butylbenzylphthalate	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Di-n-butylphthalate	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[b]Fluoranthene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[k]fluoranthene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[a]pyrene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Indeno[1,2,3-c,d] pyrene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzo[a,h]anthracene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[g,h,i]perylene	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dichlorophenol	0.578 U	0.578	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Surrogates								
2-Fluorophenol <Sur>	58.7		%	SW846-8270C	18-83	08/01/00	08/02/00	LZ
Phenol-d6 <Sur>	72.4		%	SW846-8270C	24-88	08/01/00	08/02/00	LZ
Nitrobenzene-d5 <Sur>	69.6		%	SW846-8270C	18-109	08/01/00	08/02/00	LZ
2-Fluorobiphenyl <Sur>	76.5		%	SW846-8270C	30-103	08/01/00	08/02/00	LZ
2,4,6-Tribromophenol <Sur>	80.8		%	SW846-8270C	18-122	08/01/00	08/02/00	LZ
Terphenyl-d14 <Sur>	204	!	%	SW846-8270C	21-142	08/01/00	08/02/00	LZ
Priority Pollutants								
Antimony	7.99 U	7.99	mg/Kg	SW846 6020		08/01/00	08/10/00	KC
Chromium	2.84	0.399	mg/Kg	SW846 6020		08/01/00	08/10/00	KC
Chromium	0.105	0.0320	mg/Kg	SW846 6020		08/01/00	08/10/00	KC
Chromium	0.156	0.0399	mg/Kg	SW846 6020		08/01/00	08/10/00	KC
Chromium	3.58	0.799	mg/Kg	SW846 6020		08/01/00	08/10/00	KC
Copper	40.1	24.0	mg/Kg	SW846 6020		08/01/00	08/10/00	KC



CT&E Environmental Services Inc.

CT&E Ref.# 1004160001
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300801
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/16/2000 14:10
Collected Date/Time 07/27/2000 12:50
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Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Priority Pollutants								
Lead	17.9		2.40	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Nickel	6.76		2.40	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Selenium	0.399 U		0.399	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Silver	0.160 U		0.160	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Thallium	0.135		0.00799	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Zinc	27.4		2.00	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Mercury by Cold Vapor	0.0584		0.0201	mg/Kg	SW846-7471A	08/02/00	08/03/00	JDT



CT&E Ref.# 1004160002
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300802
Matrix Soil/Sohd
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:01
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Released By *J. Winklebank*

Sample Remarks.

DRO/RRO - LCSD Diesel spike recovery is biased low (74%), LCS spike recovery meets QC criteria, results may be biased.

DRO/RRO - Unknown hydrocarbon with several peaks.

8260-LCS- 2-Chloroethyl vinyl ether exceeded QC limits low (61.9%). Analyte will be estimated in the associated samples.

8270- Surrogate recovery for terphenyl-d14 is biased high possibly due to matrix

8270 - LCS/LCSD recovery for pyrene, indeno[1,2,3-c,d]pyrene and dibenzo[a,h]anthracene is biased high. The results for these compounds may be biased high.

8270 - CCV recovery for benzo[k]fluoranthene is biased high. The results for this compound may be biased high.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Solids								
Solids	86.2		%	SM20 2540G		07/31/00	AKL	
Metals by ICP/MS								
Barium	36.0	0.849	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Vanadium	30.7	0.0849	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Volatile Fuels Department								
Gasoline Range Organics	1.98 U	1.98	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Benzene	0.00992 U	0.00992	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Toluene	0.0397 U	0.0397	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Ethylbenzene	0.0397 U	0.0397	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
P & M -Xylene	0.0397 U	0.0397	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
o-Xylene	0.0397 U	0.0397	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Surrogates								
1,4-Difluorobenzene <Surrt>	87.1		%	AK101/8021B	60-120	07/27/00	08/05/00	MAH
4-Bromofluorobenzene <Surrt>	62		%	AK101/8021B	50-150	07/27/00	08/05/00	MAH
Semivolatile Organic Fuels Department								
Range Organics	30.0	10.3	mg/Kg	AK102/103		08/01/00	08/02/00	MCA
Residual Range Organics GC	81.4	17.0	mg/Kg	AK102/103		08/01/00	08/02/00	MCA



CT&E Ref.# 1004160002
 Client Name Graybar Electric
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 Client Sample ID 5012300802
 Matrix Soil/Solid
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 Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
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Semivolatile Organic Fuels Department

Surrogates

5a Androstane <surr>	92.7	%	AK102/103	60-120	08/01/00	08/02/00	MCM
d-Triacontane <Sur>	116	%	AK102/103	60-120	08/01/00	08/02/00	MCM

Semivolatile Organic Gas Chromatography

BHC	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
TC	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Chlordane	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
alpha-Chlordane	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
gamma-BHC (Lindane)	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
delta-BHC	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Heptachlor	0.000503 U	0.000503	mg/Kg	SW846-8082	08/01/00	08/09/00	WAA
Aroclor-1016	0.00503 U	0.00503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Aldrin	0.000503 U	0.000503	mg/Kg	SW846-8082	08/01/00	08/09/00	WAA
Aroclor-1221	0.00503 U	0.00503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Heptachlor epoxide	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Endosulfan I	0.000503 U	0.000503	mg/Kg	SW846-8082	08/01/00	08/09/00	WAA
Aroclor-1232	0.00503 U	0.00503	mg/Kg	SW846-8082	08/01/00	08/09/00	WAA
Aroclor-1242	0.00503 U	0.00503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
4,4'-DDE	0.000503 U	0.000503	mg/Kg	SW846-8082	08/01/00	08/09/00	WAA
Aroclor-1248	0.00503 U	0.00503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Dieldrin	0.000503 U	0.000503	mg/Kg	SW846-8082	08/01/00	08/09/00	WAA
Aroclor-1254	0.00503 U	0.00503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Endrin	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Endosulfan II	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/09/00	WAA
Aroclor-1260	0.00503 U	0.00503	mg/Kg	SW846-8082	08/01/00	08/07/00	LZ
4,4'-DDD	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
Endrin aldehyde	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
DDT	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	LZ
fan sulfate	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	I
Ethyl ketone	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	I
Methoxychlor	0.000503 U	0.000503	mg/Kg	SW846-8081A	08/01/00	08/07/00	I



CT&E Ref.# 1004160002
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 Project Name/# Driftwood Bay
 Client Sample ID 5012300802
 Matrix Soil/Solid
 Ordered By

Client PO#
 Printed Date/Time 08/14/2000 9:52
 Collected Date/Time 07/27/2000 13:01
 Received Date/Time 07/28/2000 15:56
 Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Gas Chromatography								
Toxaphene	0.0503 U	0.0503	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Surrogates								
Tetrachloro-m-xylene <Surr>	58.7		%	SW846-8081A	25-120	08/01/00	08/07/00	LZ
Decachlorobiphenyl <Surr>	70.9		%	SW846-8082	36.1-124.9	08/01/00	08/09/00	WAA
Decachlorobiphenyl <Surr>	72.9		%	SW846-8081A	46-154	08/01/00	08/07/00	LZ
Gas Chromatography/Mass Spectroscopy								
Dichlorodifluoromethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloromethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Vinyl chloride	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromomethane	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloroethane	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Trichlorofluoromethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Carbon disulfide	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Methylene chloride	0.0992 U	0.0992	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,2-Dichloroethene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Butanone (MEK)	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2,2-Dichloropropane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
cis-1,2-Dichloroethene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromoform	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1-Trichloroethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Carbon tetrachloride	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloropropene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Benzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
oethene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Chloropropane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Dibromomethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromodichloromethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



CT&E Ref.# 1004160002
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300802
Matrix Soil/Sohd
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:01
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Unit
Volatile Gas Chromatography/Mass Spectroscopy								
2-Chloroethyl Vinyl Ether	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
cis-1,3-Dichloropropene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Methyl-2-pentanone (MIBK)	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Toluene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,3-Dichloropropene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2-Trichloroethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Tetrachloroethene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1-Trichloropropane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloromethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dibromoethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chlorobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1,2-Tetrachloroethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Ethylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
P & M -Xylene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
o-Xylene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Styrene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromoform	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Isopropylbenzene (Cumene)	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2,2-Tetrachloroethane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichloropropane	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Propylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Chlorotoluene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Chlorotoluene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3,5-Trimethylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
tert-Butylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trimethylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
sec-Butylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichlorobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
m-Polytoluene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
p-Chlorobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dichlorobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Butylbenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



CT&E Ref.# 1004160002
 Client Name Graybar Electric
 Project Name/# Driftwood Bay
 Client Sample ID 5012300802
 Matrix Soil/Solid
 Ordered By

Client PO#
 Printed Date/Time 08/14/2000 9:52
 Collected Date/Time 07/27/2000 13:01
 Received Date/Time 07/28/2000 15:56
 Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dibromo-3-chloropropane	0.198 U	0.198	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trichlorobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Hexachlorobutadiene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Naphthalene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichlorobenzene	0.0103 U	0.0103	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Surrogates								
Bromofluoromethane <surr>	106		%	SW846-8260B	80-118	07/27/00	08/05/00	SMS
Chloroethane-D4 <surr>	113		%	SW846-8260B	74-123	07/27/00	08/05/00	SMS
Toluene-d8 <surr>	104		%	SW846-8260B	79-130	07/27/00	08/05/00	SMS
4-Bromofluorobenzene <Sur>	83.6		%	SW846-8260B	71-141	07/27/00	08/05/00	SMS
Semivolatile Organic GC/MS								
N-Nitrosodimethylamine	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyridine	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Aniline	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Bis(2-Chloroethyl)ether	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,3-Dichlorobenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorobenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzyl alcohol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Dichlorobenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylphenol (o-Cresol)	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
bis(2-chloroisopropyl)ether	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3&4-Methylphenol (p&m-Cresol)	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitroso-di-n-propylamine	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachloroethane	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
obenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
one	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
phenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dimethylphenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzoic acid	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



CT&E Ref.# 1004160002
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300802
Matrix Soil/Solid
Ordered By

Client PO#
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Collected Date/Time 07/27/2000 13:01
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Bis(2-Chloroethoxy)methane	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2,4-Trichlorobenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Naphthalene	0.837	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloroaniline	1.47 U	1.47	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorobutadiene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloro-3-methylphenol	1.47 U	1.47	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dichlorophenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dimethylnaphthalene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorocyclopentadiene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,3-Dichlorophenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4,5-Trichlorophenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chloronaphthalene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Nitroaniline	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-Chloronaphthalene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dimethylphthalate	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthylene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dinitrotoluene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3-Nitroaniline	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrophenol	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitrophenol	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzofuran	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrotoluene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Diethylphthalate	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chlorophenyl-phenylether	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluorene	0.804	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitroaniline	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methyl-4,6-dinitrophenol	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitrosodiphenylamine	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Bromophenyl-phenylether	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorobenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chlorophenol	3.65 U	3.65	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenanthrene	5.06	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Anthracene	1.16	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



CT&E Ref.# 1004160002 **Client PO#**
Client Name Graybar Electric **Printed Date/Time** 08/14/2000 9:52
Project Name/# Driftwood Bay **Collected Date/Time** 07/27/2000 13:01
Client Sample ID 5012300802 **Received Date/Time** 07/28/2000 15:56
Matrix Soil/Solid **Technical Director** Stephen C. Ede
Ordered By

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Di-n-butylphthalate	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluoranthene	3.77	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyrene	10.6	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Azobenzene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Butylbenzylphthalate	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3,3-Dichlorobenzidine	1.47 U	1.47	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo(a)Anthracene	2.09	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Chrysene	2.44	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
[REDACTED]nylhexyl)phthalate	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
o-Cetylphthalate	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[b]Fluoranthene	1.63	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[k]fluoranthene	1.21	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[a]pyrene	1.67	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Indeno[1,2,3-c,d] pyrene	1.42	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzo[a,h]anthracene	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[g,h,i]perylene	1.94	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dichlorophenol	0.722 U	0.722	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Surrogates								
2-Fluorophenol <Sur>	45		%	SW846-8270C	18-83	08/01/00	08/02/00	LZ
Phenol-d6 <Sur>	56.3		%	SW846-8270C	24-88	08/01/00	08/02/00	LZ
Nitrobenzene-d5 <Sur>	56.2		%	SW846-8270C	18-109	08/01/00	08/02/00	LZ
2-Fluorobiphenyl <Sur>	61.9		%	SW846-8270C	30-103	08/01/00	08/02/00	LZ
2,4,6-Tribromophenol <Sur>	73.3		%	SW846-8270C	18-122	08/01/00	08/02/00	LZ
Terphenyl-d14 <Sur>	171	!	%	SW846-8270C	21-142	08/01/00	08/02/00	LZ
Priority Pollutants								
Antimony	0.849 U	0.849	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
[REDACTED]m	3.04	0.425	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Cadmum	0.124	0.0340	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Chromium	0.114	0.0425	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Copper	3.60	0.849	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
	36.4	2.55	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF



CT&E Ref.# 1004160002
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300802
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:01
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Priority Pollutants								
Lead	12.7	2.55	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Nickel	7.92	2.55	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Selenium	0.425 U	0.425	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Silver	0.170 U	0.170	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Thallium	0.0900	0.00849	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Zinc	25.7	2.12	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Mercury by Cold Vapor	0.0773	0.0220	mg/Kg	SW846-7471A		08/02/00	08/03/00	JDT



CT&E Ref.# 1004160003
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300803
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:12
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede
Released By *J. Wimblebank*

Sample Remarks:

DRO/RRO - LCSD Diesel spike recovery is biased low (74%), LCS spike recovery meets QC criteria, results may be biased.
DRO/RRO - Unknown hydrocarbon with several peaks.

8260-LCS- 2-Chloroethyl vinyl ether exceeded QC limits low (61.9%). Analyte will be estimated in the associated samples.

8270 - Internal standard 1,4-dichlorobenzene-d4 is biased low. The samples are non-detect. The results are not affected.

GRO/BTEX - Field surrogate recovery is biased low
due to high sample weight and moisture dilution of
surrogate.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Solids								
Total Solids	92.3		%	SM20 2540G		07/31/00	AKL	
Metals by ICP/MS								
Barium	24.9	1.05	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Vanadium	28.4	0.105	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Volatile Fuels Department								
Gasoline Range Organics	0.706 U	0.706	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Benzene	0.00353 U	0.00353	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Toluene	0.0141 U	0.0141	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Ethylbenzene	0.0141 U	0.0141	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
P & M -Xylene	0.0141 U	0.0141	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
o-Xylene	0.0141 U	0.0141	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Surrogates								
1,4-Difluorobenzene <Sur>	87.9		%	AK101/8021B	60-120	07/27/00	08/05/00	MAH
4-Bromofluorobenzene <Sur>	45.7	!	%	AK101/8021B	50-150	07/27/00	08/05/00	MAH
Semivolatile Organic Fuels Department								
Residual Range Organics	13.0	10.8	mg/Kg	AK102/103		08/01/00	08/02/00	MCM
Residual Range Organics GC	22.5	17.8	mg/Kg	AK102/103		08/01/00	08/02/00	MCM



CT&E Ref.# 1004160003
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Project Name/# Driftwood Bay
Client Sample ID 5012300803
Matrix Soil/Solid
Ordered By

Client PO#
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Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Fuels Department								
Surrogates								
5a Androstane <surr>	78		%	AK102/103	60-120	08/01/00	08/02/00	MCM
d-Triacontane <Sur>	99.9		%	AK102/103	60-120	08/01/00	08/02/00	MCM
Semivolatile Organic Gas Chromatography								
alpha-BHC	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
b- ¹³ C	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Chlordane	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
alpha-Chlordane	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
gamma-BHC (Lindane)	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
delta-BHC	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Heptachlor	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aldrin	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1016	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1221	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Heptachlor epoxide	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endosulfan I	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1232	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
4,4'-DDE	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1242	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1248	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Dieldrin	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1254	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Endrin	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1260	0.00669 U	0.00669	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Endosulfan II	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDD	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin aldehyde	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DT	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Fluoridan sulfate	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
E-ketone	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Methoxychlor	0.000669 U	0.000669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ



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Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Gas Chromatography								
Toxaphene	0.0669 U	0.0669	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Surrogates								
Tetrachloro-m-xylene <Surrogate>	77		%	SW846-8081A	25-120	08/01/00	08/07/00	LZ
Decachlorobiphenyl <Surrogate>	96		%	SW846-8082	36.1-124.9	08/01/00	08/09/00	WAA
Decachlorobiphenyl <Surrogate>	97.8		%	SW846-8081A	46-154	08/01/00	08/07/00	LZ
Volatile Gas Chromatography/Mass Spectroscopy								
1,1-Difluoromethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloromethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Vinyl chloride	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromomethane	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloroethane	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Trichlorofluoromethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Carbon disulfide	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Methylene chloride	0.0353 U	0.0353	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,2-Dichloroethene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Butanone (MEK)	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2,2-Dichloropropane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
cis-1,2-Dichloroethene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromochloromethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloroform	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1-Trichloroethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Carbon tetrachloride	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloropropene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Benzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dichloroethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Toluene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloropropane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Dibromomethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromodichloromethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



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Volatile Gas Chromatography/Mass Spectroscopy								
2-Chloroethyl Vinyl Ether	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
cis-1,3-Dichloropropene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Methyl-2-pentanone (MIBK)	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Toluene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,3-Dichloropropene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2-Trichloroethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Tetrachloroethene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichloropropane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
L,1-Dichloromethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dibromoethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chlorobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1,2-Tetrachloroethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Ethylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
P & M -Xylene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
o-Xylene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Styrene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromoform	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Isopropylbenzene (Cumene)	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2,2-Tetrachloroethane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichloropropane	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Propylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Chlorotoluene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Chlorotoluene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3,5-Trimethylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
tert-Butylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trimethylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
sec-Butylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichlorobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Chlorotoluene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichlorobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dichlorobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Butylbenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



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Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dibromo-3-chloropropane	0.0706 U	0.0706	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trichlorobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Hexachlorobutadiene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Naphthalene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichlorobenzene	0.00367 U	0.00367	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Surrogates								
Dibromo-fluoromethane <surr>	109		%	SW846-8260B	80-118	07/27/00	08/05/00	SMS
Bromoethane-D4 <surr>	112		%	SW846-8260B	74-123	07/27/00	08/05/00	SMS
Toluene-d8 <surr>	104		%	SW846-8260B	79-130	07/27/00	08/05/00	SMS
4-Bromofluorobenzene <Sur>	72.3		%	SW846-8260B	71-141	07/27/00	08/05/00	SMS
Semivolatile Organic GC/MS								
N-Nitrosodimethylamine	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyridine	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Aniline	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Bis(2-Chloroethyl)ether	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,3-Dichlorobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzyl alcohol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Dichlorobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylphenol (o-Cresol)	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
bis(2-chloroisopropyl)ether	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3&4-Methylphenol (p&m-Cresol)	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitroso-di-n-propylamine	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachloroethane	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Nitrobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Chlorobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dimethylphenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzoic acid	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



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Semivolatile Organic GC/MS								
Bis(2-Chloroethoxy)methane	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2,4-Trichlorobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Naphthalene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloroaniline	1.29 U	1.29	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorobutadiene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloro-3-methylphenol	1.29 U	1.29	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dichlorophenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylnaphthalene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,3-Cyclopentadiene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,3-Dichlorophenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4,5-Trichlorophenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chloronaphthalene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Nitroaniline	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-Chloronaphthalene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dimethylphthalate	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthylene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dinitrotoluene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3-Nitroaniline	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrophenol	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitrophenol	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzofuran	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrotoluene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Diethylphthalate	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chlorophenyl-phenylether	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluorene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitroaniline	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methyl-4,6-dinitrophenol	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitrosodiphenylamine	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Bromophenyl-phenylether	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dibromobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Dichlorophenol	3.23 U	3.23	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenanthrene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Anthracene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



CT&E Ref.# 1004160003
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300803
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:12
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Di-n-butylphthalate	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluoranthene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyrene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Azobenzene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Butylbenzylphthalate	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3,3-Dichlorobenzidine	1.29 U	1.29	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo(a)Anthracene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Chrysene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-(naphthylhexyl)phthalate	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
α-naphthalate	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[b]Fluoranthene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[k]fluoranthene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[a]pyrene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Indeno[1,2,3-c,d] pyrene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzo[a,h]anthracene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[g,h,i]perylene	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dichlorophenol	0.638 U	0.638	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Surrogates								
2-Fluorophenol <Surrogate>	55.5		%	SW846-8270C	18-83	08/01/00	08/02/00	LZ
Phenol-d6 <Surrogate>	72.1		%	SW846-8270C	24-88	08/01/00	08/02/00	LZ
Nitrobenzene-d5 <Surrogate>	66.7		%	SW846-8270C	18-109	08/01/00	08/02/00	LZ
2-Fluorobiphenyl <Surrogate>	65.5		%	SW846-8270C	30-103	08/01/00	08/02/00	LZ
2,4,6-Tribromophenol <Surrogate>	75.2		%	SW846-8270C	18-122	08/01/00	08/02/00	LZ
Terphenyl-d14 <Surrogate>	109		%	SW846-8270C	21-142	08/01/00	08/02/00	LZ
Priority Pollutants								
Antimony	1.05 U	1.05	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
As	2.98	0.523	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Lead	0.113	0.0418	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Cadmium	0.0523 U	0.0523	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Chromium	3.14	1.05	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Copper	32.9	3.14	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF



CT&E Environmental Services Inc.

CT&E Ref.# 1004160003
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300803
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:12
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Priority Pollutants								
Lead	3.14 U	3.14	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Nickel	6.64	3.14	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Selenium	0.523 U	0.523	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Silver	0.209 U	0.209	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Thallium	0.0516	0.0105	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Zinc	18.0	2.61	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Mercury by Cold Vapor	0.0450	0.0205	mg/Kg	SW846-7471A		08/02/00	08/03/00	JDT



CT&E Environmental Services Inc.

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CT&E Ref.#	1004160004
Client Name	Graybar Electric
Project Name/#	Driftwood Bay
Client Sample ID	5012300804
Matrix	Soil/Solid
Ordered By	

Client PO#	
Printed Date/Time	08/14/2000 9:52
Collected Date/Time	07/27/2000 13:24
Received Date/Time	07/28/2000 15:56
Technical Director	Stephen C. Ede

Released By J. Windlebank

Sample Remarks:

DRO/RRO - LCSD Diesel spike recovery is biased low (74%), LCS spike recovery meets QC criteria, results may be biased.

DRO/RRO - Unknown hydrocarbon with several peaks.

8260-LCS- 2-Chloroethyl vinyl ether exceeded QC limits low (61.9%). Analyte will be estimated in the associated samples.

8270-Surrogate recovery for terphenyl-d14 is biased high possibly due to matrix

8270 - Internal standards chrysene-d₁₂ and perylene-d₁₂ are biased low. The result for pyrene may be biased high.

8270 - LCS/LCSD recovery for pyrene is biased high. The result for this compound may be biased high.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Solids								
Total Solids	90.0		%	SM20 2540G		07/31/00	AKL	
Metals by ICP/MS								
Barium	24.7	1.02	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Vanadium	23.8	0.102	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Volatile Fuels Department								
Gasoline Range Organics	1.24 U	1.24	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Benzene	0.00618 U	0.00618	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Toluene	0.0247 U	0.0247	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Ethylbenzene	0.0247 U	0.0247	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
P & M -Xylene	0.0247 U	0.0247	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
o-Xylene	0.0247 U	0.0247	mg/Kg	AK101/8021B		07/27/00	08/05/00	MAH
Surrogates								
1,4-Difluorobenzene <Surrt>	87.1		%	AK101/8021B	60-120	07/27/00	08/05/00	MAH
4-Bromofluorobenzene <Surrt>	55.8		%	AK101/8021B	50-150	07/27/00	08/05/00	MAH
Semivolatile Organic Fuels Department								
Diesel Range Organics	9.82 U	9.82	mg/Kg	AK102/103		08/01/00	08/02/00	MCM
Diesel Range Organics GC	24.6	16.2	mg/Kg	AK102/103		08/01/00	08/02/00	MCM

Semivolatile Organic Fuels Department

D. Range Organics 9.82 U 9.82 mg/Kg AK102/103 08/01/00 08/02/00 MCM
D. Range Organics GC 24.6 16.2 mg/Kg AK102/103 08/01/00 08/02/00 MCM

Surrogates



CT&E Ref.# 1004160004
Client Name Graybar Electric
Project Name# Driftwood Bay
Client Sample ID 5012300804
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:24
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Unit
Semivolatile Organic Fuels Department								
5a Androstane <surr>	75.6		%	AK102/103	60-120	08/01/00	08/02/00	MCM
d-Triacontane <Sur>	95		%	AK102/103	60-120	08/01/00	08/02/00	MCM
Semivolatile Organic Gas Chromatography								
alpha-BHC	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
beta-BHC	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
gamma-Chlordane	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
delta-Chlordane	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
gamma,delta-BHC (Lindane)	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
delta-BHC	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Heptachlor	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1016	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aldrin	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1221	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Heptachlor epoxide	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endosulfan I	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1232	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
4,4'-DDE	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1242	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Dieldrin	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1248	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Endrin	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1254	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1260	0.00634 U	0.00634	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Endosulfan II	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDD	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin aldehyde	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDT	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endosulfan sulfate	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Heptachlor	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Nonychlor	0.000634 U	0.000634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Toxaphene	0.0634 U	0.0634	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ



CT&E Environmental Services Inc.

CT&E Ref.#	1004160004	Client PO#	
Client Name	Graybar Electric	Printed Date/Time	08/14/2000 9.52
Project Name/#	Driftwood Bay	Collected Date/Time	07/27/2000 13:24
Client Sample ID	5012300804	Received Date/Time	07/28/2000 15:56
Matrix	Soil/Solid	Technical Director	Stephen C. Ede
Ordered By			

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
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Semivolatile Organic Gas Chromatography

Surrogates

Tetrachloro-m-xylene <Surrogate>	96.7	%	SW846-8081A	25-120	08/01/00	08/07/00	LZ
Decachlorobiphenyl <Surrogate>	106	%	SW846-8082	36.1-124.9	08/01/00	08/09/00	WAA
Decachlorobiphenyl <Surrogate>	107	%	SW846-8081A	46-154	08/01/00	08/07/00	LZ

Volatile Gas Chromatography/Mass Spectroscopy

Difluoromethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Methane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Vinyl chloride	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Bromomethane	0.124 U	0.124	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Chloroethane	0.124 U	0.124	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Trichlorofluoromethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
1,1-Dichloroethene	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Carbon disulfide	0.124 U	0.124	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Methylene chloride	0.0618 U	0.0618	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
trans-1,2-Dichloroethene	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
1,1-Dichloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
2-Butanone (MEK)	0.124 U	0.124	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
2,2-Dichloropropane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
cis-1,2-Dichloroethene	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Bromochloromethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Chloroform	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
1,1,1-Trichloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Carbon tetrachloride	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
1,1-Dichloropropene	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Benzene	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
1,2-Dichloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Trichloroethene	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
1,2-Dichloropropane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Methane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
Bromo-dichloromethane	0.00642 U	0.00642	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS
2-Chloroethyl Vinyl Ether	0.124 U	0.124	mg/Kg	SW846-8260B	07/27/00	08/05/00	SMS



CT&E Ref.# 1004160004
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300804
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:24
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
cis-1,3-Dichloropropene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Methyl-2-pentanone (MIBK)	0.124 U	0.124	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Toluene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
trans-1,3-Dichloropropene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2-Trichloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Tetrachloroethene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichloropropane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Hexanone	0.124 U	0.124	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloromethane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Chlorobenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,1,2-Tetrachloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Ethylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
P & M -Xylene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
o-Xylene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Styrene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromoform	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Isopropylbenzene (Cumene)	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Bromobenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,1,2,2-Tetrachloroethane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichloropropane	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Propylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
2-Chlorotoluene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Chlorotoluene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3,5-Trimethylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
tert-Butylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,4-Trimethylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
sec-Butylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichlorobenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
4-Isopropyltoluene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dibromo-2-probenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,3-Dichlorobenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
n-Butylbenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2-Dibromo-3-chloropropane	0.124 U	0.124	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS



CT&E Ref.# 1004160004
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300804
Matrix Soil/Solid
Ordered By

Client P.O#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 13:24
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
1,2,4-Trichlorobenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Hexachlorobutadiene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Naphthalene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
1,2,3-Trichlorobenzene	0.00642 U	0.00642	mg/Kg	SW846-8260B		07/27/00	08/05/00	SMS
Surrogates								
Dibromofluoromethane <surr>	107		%	SW846-8260B	80-118	07/27/00	08/05/00	SMS
1,2-Dichloroethane-D4 <surr>	115		%	SW846-8260B	74-123	07/27/00	08/05/00	SMS
1,1,1-Trifluoropropane <surr>	106		%	SW846-8260B	79-130	07/27/00	08/05/00	SMS
1,1,1-Trifluorobenzene <Sur>	78		%	SW846-8260B	71-141	07/27/00	08/05/00	SMS
Semivolatile Organic GC/MS								
N-Nitrosodimethylamine	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyridine	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Aniline	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Bis(2-Chloroethyl)ether	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,3-Dichlorobenzene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorobenzene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzyl alcohol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Dichlorobenzene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylphenol (o-Cresol)	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
bis(2-chloroisopropyl)ether	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3&4-Methylphenol (p&m-Cresol)	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitroso-di-n-propylamine	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachloroethane	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Nitrobenzene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Isophthalic acid	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Naphthalenediol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dimethylphenol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzoic acid	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Bis(2-Chloroethoxy)methane	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



CT&E Ref.# 1004160004
Client Name Graybar Electric
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Matrix Soil/Solid
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Collected Date/Time 07/27/2000 13:24
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
1,2,4-Trichlorobenzene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Naphthalene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloroaniline	1.26 U	1.26	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorobutadiene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloro-3-methylphenol	1.26 U	1.26	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dichlorophenol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylnaphthalene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorocyclopentadiene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-Chlorophenol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chloronaphthalene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Nitroaniline	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-Chloronaphthalene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dimethylphthalate	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthylene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dinitrotoluene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3-Nitroaniline	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrophenol	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitrophenol	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzofuran	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrotoluene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Diethylphthalate	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chlorophenyl-phenylether	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluorene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitroaniline	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methyl-4,6-dinitrophenol	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitrosodiphenylamine	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Bromophenyl-phenylether	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorobenzene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	3.13 U	3.13	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Arene	1.37	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Antracene	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Di-n-butylphthalate	0.619 U	0.619	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



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 Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Fluoranthene	0.969	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Pyrene	2.61	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Azobenzene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Butylbenzylphthalate	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
3,3'-Dichlorobenzidine	1.26 U	1.26	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Benzo(a)Anthracene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Chrysene	0.669	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
bis(2-Ethylhexyl)phthalate	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
[REDACTED] phthalate	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
b- [REDACTED] Fluoranthene	0.833	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Benzo[k]fluoranthene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Benzo[a]pyrene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Indeno[1,2,3-c,d] pyrene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Dibenzo[a,h]anthracene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Benzo[g,h,i]perylene	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
2,6-Dichlorophenol	0.619 U	0.619	mg/Kg	SW846-8270C	08/01/00	08/02/00	LZ	
Surrogates								
2-Fluorophenol <Sur>	57.8	%		SW846-8270C	18-83	08/01/00	08/02/00	LZ
Phenol-d6 <Sur>	71.9	%		SW846-8270C	24-88	08/01/00	08/02/00	LZ
Nitrobenzene-d5 <Sur>	69.4	%		SW846-8270C	18-109	08/01/00	08/02/00	LZ
2-Fluorobiphenyl <Sur>	71.8	%		SW846-8270C	30-103	08/01/00	08/02/00	LZ
2,4,6-Tribromophenol <Sur>	85.2	%		SW846-8270C	18-122	08/01/00	08/02/00	LZ
Terphenyl-d14 <Sur>	189	!	%	SW846-8270C	21-142	08/01/00	08/02/00	LZ
Priority Pollutants								
Antimony	1.02 U	1.02	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	
Arsenic	3.13	0.512	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	
Boron	0.0951	0.0410	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	
Cadmium	0.0587	0.0512	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	
Copper	2.31	1.02	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	
Lead	25.9	3.07	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	
	33.5	3.07	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF	



CT&E Environmental Services Inc.

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CT&E Ref.# 1004160004
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300804
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
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Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Priority Pollutants								
Nickel	5.25	3.07	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Selenium	0.512 U	0.512	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Silver	0.205 U	0.205	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Thallium	0.0630	0.0102	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Zinc	28.8	2.56	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Mercury by Cold Vapor	0.104	0.0219	mg/Kg	SW846-7471A		08/02/00	08/03/00	JDT



CT&E Environmental Services Inc.

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 Technical Director Stephen C. Ede
 Released By *J. Wunderlich*

Sample Remarks:

DRO/RRO - LCSD Diesel spike recovery is biased low (74%), LCS spike recovery meets QC criteria, results may be biased.
 8260-LCS- 2-Chloroethyl vinyl ether exceeded QC limits low (61.9%). Analyte will be estimated in the associated samples.

8270- Surrogate recovery for terphenyl-d14 is biased high possibly due to matrix

8270 - Internal standards chrysene-d12 and perylene-d12 are biased low. The samples are non-detect. The results are not affected.

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Unit
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Solids

Total Solids	87.2	%	SM20 2540G	07/31/00	AKL
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by ICP/MS

Barium	29.8	1.12	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF
Vanadium	29.5	0.112	mg/Kg	SW846 6020	08/01/00	08/10/00	KGF

Volatile Fuels Department

Gasoline Range Organics	1.12 U	1.12	mg/Kg	AK101/8021B	07/27/00	08/06/00	MAH
Benzene	0.00558 U	0.00558	mg/Kg	AK101/8021B	07/27/00	08/06/00	MAH
Toluene	0.0223 U	0.0223	mg/Kg	AK101/8021B	07/27/00	08/06/00	MAH
Ethylbenzene	0.0223 U	0.0223	mg/Kg	AK101/8021B	07/27/00	08/06/00	MAH
P & M -Xylene	0.0223 U	0.0223	mg/Kg	AK101/8021B	07/27/00	08/06/00	MAH
o-Xylene	0.0223 U	0.0223	mg/Kg	AK101/8021B	07/27/00	08/06/00	MAH

Surrogates

1,4-Difluorobenzene <Sur>	89.4	%	AK101/8021B	60-120	07/27/00	08/06/00	MAH
4-Bromofluorobenzene <Sur>	56.9	%	AK101/8021B	50-150	07/27/00	08/06/00	MAH

Semivolatile Organic Fuels Department

Diesel Range Organics	10.5 U	10.5	mg/Kg	AK102/103	08/01/00	08/02/00	MCM
Residual Range Organics GC	17.3 U	17.3	mg/Kg	AK102/103	08/01/00	08/02/00	MCM

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5a Androstanane <surr>	64.4	%	AK102/103	60-120	08/01/00	08/02/00	MCM
d-Triacontane <Sur>	78.5	%	AK102/103	60-120	08/01/00	08/02/00	MCM



CT&E Ref.#	1004160005	Client PO#						
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Project Name/#	Driftwood Bay	Collected Date/Time	07/27/2000 13:33					
Client Sample ID	5012300805	Received Date/Time	07/28/2000 15:56					
Matrix	Soil/Solid	Technical Director	Stephen C. Ede					
Ordered By								
Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Fuels Department								
Semivolatile Organic Gas Chromatography								
alpha-BHC	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
beta-BHC	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
gamma-Chlordane	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
alpha-Chlordane	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
gamma-BHC (Lindane)	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Heptachlor	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1016	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aldrin	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1221	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Heptachlor epoxide	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endosulfan I	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1232	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1242	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
4,4'-DDE	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1248	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Dieldrin	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Aroclor-1254	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Aroclor-1260	0.00638 U	0.00638	mg/Kg	SW846-8082		08/01/00	08/09/00	WAA
Endosulfan II	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDD	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin aldehyde	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
4,4'-DDT	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endosulfan sulfate	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Endrin ketone	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Methoxychlor	0.000638 U	0.000638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Tetrachloro-m-xylene	0.0638 U	0.0638	mg/Kg	SW846-8081A		08/01/00	08/07/00	LZ
Surrogates								
Tetrachloro-m-xylene <Sur>	87.5		%	SW846-8081A	25-120	08/01/00	08/07/00	LZ



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Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic Gas Chromatography								
Decachlorobiphenyl <Surrogate>	95.4		%	SW846-8082	36.1-124.9	08/01/00	08/09/00	WAA
Decachlorobiphenyl <Surrogate>	103		%	SW846-8081A	46-154	08/01/00	08/07/00	LZ
Volatile Gas Chromatography/Mass Spectroscopy								
Dichlorodifluoromethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Chloromethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Vinyl chloride	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Chloroethane	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Chloroethane	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Trichlorofluoromethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1-Dichloroethene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Carbon disulfide	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Methylene chloride	0.0558 U	0.0558	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
trans-1,2-Dichloroethene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1-Dichloroethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
2-Butanone (MEK)	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
2,2-Dichloropropane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
cis-1,2-Dichloroethene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Bromochloromethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Chloroform	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1,1-Trichloroethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Carbon tetrachloride	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1-Dichloropropene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Benzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2-Dichloroethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Trichloroethene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2-Dichloropropane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Dibromomethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Bromodichloromethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
vinyl Methyl Vinyl Ether	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
c. Dichloropropene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
4-Methyl-2-pentanone (MIBK)	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Toluene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS



CT&E Ref.# 1004160005
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID 5012300805
Matrix Soil/Solid
Ordered By

Client PO#
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Collected Date/Time 07/27/2000 13:33
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
trans-1,3-Dichloropropene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1,2-Trichloroethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Tetrachloroethene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,3-Dichloropropane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
2-Hexanone	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Dibromochloromethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2-Dibromoethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Chlorobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Tetrachloroethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Ebenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
P & M -Xylene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
o-Xylene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Styrene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Bromoform	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Isopropylbenzene (Cumene)	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Bromobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1,2,2-Tetrachloroethane	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2,3-Trichloropropene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
n-Propylbenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
2-Chlorotoluene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
4-Chlorotoluene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,3,5-Trimethylbenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
tert-Butylbenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2,4-Trimethylbenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
sec-Butylbenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,3-Dichlorobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
4-Isopropyltoluene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,4-Dichlorobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2-Dichlorobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
n-Butylbenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,2-Dimethyl-3-chloropropane	0.112 U	0.112	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
1,1-Dichlorobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Hexachlorobutadiene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Naphthalene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS



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Volatile Gas Chromatography/Mass Spectroscopy								
1,2,3-Trichlorobenzene	0.00581 U	0.00581	mg/Kg	SW846-8260B		07/27/00	08/06/00	SMS
Surrogates								
Dibromofluoromethane <surr>	112		%	SW846-8260B	80-118	07/27/00	08/06/00	SMS
1,2-Dichloroethane-D4 <surr>	120		%	SW846-8260B	74-123	07/27/00	08/06/00	SMS
Toluene-d8 <surr>	110		%	SW846-8260B	79-130	07/27/00	08/06/00	SMS
4-Bromofluorobenzene <Sur>	79.5		%	SW846-8260B	71-141	07/27/00	08/06/00	SMS
Volatile Organic GC/MS								
N-Nitrosodimethylamine	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyridine	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Amine	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Bis(2-Chloroethyl)ether	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chlorophenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,3-Dichlorobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,4-Dichlorobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzyl alcohol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Dichlorobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylphenol (o-Cresol)	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
bis(2-chloroisopropyl)ether	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3&4-Methylphenol (p&m-Cresol)	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitroso-di-n-propylamine	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachloroethane	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Nitrobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Isophorone	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Nitrophenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dimethylphenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzoic acid	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
(Chloroethoxy)methane	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1,2-Trichlorobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Naphthalene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloroaniline	1.39 U	1.39	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



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Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Hexachlorobutadiene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chloro-3-methylphenol	1.39 U	1.39	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dichlorophenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methylnaphthalene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorocyclopentadiene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4,6-Trichlorophenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4,5-Trichlorophenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Chloronaphthalene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenol	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
1-Naphthalene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dimethylphthalate	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthylene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dinitrotoluene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3-Nitroaniline	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Acenaphthene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrophenol	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitrophenol	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzofuran	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,4-Dinitrotoluene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Diethylphthalate	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Chlorophenyl-phenylether	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Fluorene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Nitroaniline	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2-Methyl-4,6-dinitrophenol	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
N-Nitrosodiphenylamine	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
4-Bromophenyl-phenylether	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Hexachlorobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pentachlorophenol	3.46 U	3.46	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Phenanthrene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Anthracene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Tetralin	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Terphenene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyrene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Azobenzene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ



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Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Semivolatile Organic GC/MS								
Butylbenzylphthalate	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
3,3-Dichlorobenzidine	1.39 U	1.39	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo(a)Anthracene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Chrysene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
bis(2-Ethylhexyl)phthalate	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
di-n-Octylphthalate	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[b]Fluoranthene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[k]fluoranthene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Pyrene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
l...[1,2,3-c,d] pyrene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Dibenzo[a,h]anthracene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Benzo[g,h,i]perylene	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
2,6-Dichlorophenol	0.685 U	0.685	mg/Kg	SW846-8270C		08/01/00	08/02/00	LZ
Surrogates								
2-Fluorophenol <Sur>	53.3		%	SW846-8270C	18-83	08/01/00	08/02/00	LZ
Phenol-d6 <Sur>	66.8		%	SW846-8270C	24-88	08/01/00	08/02/00	LZ
Nitrobenzene-d5 <Sur>	66.5		%	SW846-8270C	18-109	08/01/00	08/02/00	LZ
2-Fluorobiphenyl <Sur>	67.2		%	SW846-8270C	30-103	08/01/00	08/02/00	LZ
2,4,6-Tribromophenol <Sur>	72		%	SW846-8270C	18-122	08/01/00	08/02/00	LZ
Terphenyl-d14 <Sur>	187	!	%	SW846-8270C	21-142	08/01/00	08/02/00	LZ
Priority Pollutants								
Antimony	1.12 U	1.12	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Arsenic	3.62	0.560	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Beryllium	0.103	0.0448	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Cadmum	0.0560 U	0.0560	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Chromium	2.71	1.12	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Co	23.6	3.36	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Ni	23.1	3.36	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Selenium	5.36	3.36	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Silver	0.560 U	0.560	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
	0.224 U	0.224	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF



CT&E Environmental Services Inc.

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Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Unit
Priority Pollutants								
Thallium	0.0696	0.0112	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Zinc	21.1	2.80	mg/Kg	SW846 6020		08/01/00	08/10/00	KGF
Mercury by Cold Vapor	0.0485	0.0210	mg/Kg	SW846-7471A		08/02/00	08/03/00	JDT

CT&E Ref.# 1004160006
Client Name Graybar Electric
Project Name/# Driftwood Bay
Client Sample ID Trip Blank
Matrix Soil/Solid
Ordered By

Client PO#
Printed Date/Time 08/14/2000 9:52
Collected Date/Time 07/27/2000 0:00
Received Date/Time 07/28/2000 15:56
Technical Director Stephen C. Ede

Released By *JW Molebank*

Sample Remarks:

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Solids								
Total Solids	100		%	SM20 2540G			07/31/00	AKL
Volatile Fuels Department								
Gasoline Range Organics	2.56 U	2.56	mg/Kg	AK101/8021B		07/27/00	08/08/00	MAH
F	0.0128 U	0.0128	mg/Kg	AK101/8021B		07/27/00	08/08/00	MAH
	0.0512 U	0.0512	mg/Kg	AK101/8021B		07/27/00	08/08/00	MAH
Ethylbenzene	0.0512 U	0.0512	mg/Kg	AK101/8021B		07/27/00	08/08/00	MAH
P & M -Xylene	0.0512 U	0.0512	mg/Kg	AK101/8021B		07/27/00	08/08/00	MAH
o-Xylene	0.0512 U	0.0512	mg/Kg	AK101/8021B		07/27/00	08/08/00	MAH
Surrogates								
1,4-Difluorobenzene <Sur>	85.5		%	AK101/8021B	60-120	07/27/00	08/08/00	MAH
4-Bromofluorobenzene <Sur>	82		%	AK101/8021B	50-150	07/27/00	08/08/00	MAH
Volatile Gas Chromatography/Mass Spectroscopy								
Dichlorodifluoromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Chloromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Vinyl chloride	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Bromomethane	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Chloroethane	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Trichlorofluoromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1-Dichloroethene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Carbon disulfide	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Methylene chloride	0.128 U	0.128	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
trans-1,2-Dichloroethene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
chloroethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
methane (MEK)	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
2,2-Dichloropropane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
cis-1,2-Dichloroethene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS



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Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
Bromochloromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Chloroform	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1,1-Trichloroethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Carbon tetrachloride	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1-Dichloropropene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Benzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2-Dichloroethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Toluene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1-Dichloropropane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1-Chloromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Bromodichloromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
2-Chloroethyl Vinyl Ether	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
cis-1,3-Dichloropropene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
4-Methyl-2-pentanone (MIBK)	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Toluene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
trans-1,3-Dichloropropene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1,2-Trichloroethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Tetrachloroethene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,3-Dichloropropane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
2-Hexanone	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Dibromochloromethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2-Dibromoethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Chlorobenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1,1,2-Tetrachloroethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Ethylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
P & M -Xylene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
o-Xylene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Styrene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Bromoform	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Isopropylbenzene (Cumene)	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
P-Xylene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,1,2-Tetrachloroethane	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2,3-Trichloropropene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
n-Propylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS



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Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy								
2-Chlorotoluene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
4-Chlorotoluene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,3,5-Trimethylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
tert-Butylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2,4-Trimethylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
sec-Butylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,3-Dichlorobenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
4-Isopropyltoluene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Chlorobenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Chlorobenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
n-Butylbenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2-Dibromo-3-chloropropane	0.256 U	0.256	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2,4-Trichlorobenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Hexachlorobutadiene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Naphthalene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
1,2,3-Trichlorobenzene	0.0133 U	0.0133	mg/Kg	SW846-8260B		07/27/00	08/04/00	SMS
Surrogates								
Dibromofluoromethane <surr>	112		%	SW846-8260B	80-118	07/27/00	08/04/00	SMS
1,2-Dichloroethane-D4 <surr>	118		%	SW846-8260B	74-123	07/27/00	08/04/00	SMS
Toluene-d8 <surr>	108		%	SW846-8260B	79-130	07/27/00	08/04/00	SMS
4-Bromofluorobenzene <Sur>	99.9		%	SW846-8260B	71-141	07/27/00	08/04/00	SMS



CHAIN OF CUSTODY RECORD

1004160

CT&E Environmental Services Inc.
Lab rat ry Division

200 W P, Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
3180 Peger, Fairbanks, AK 99701 Tel: (907) 474-8656 Fax: (907) 474-9685

White - Retained by Lab (Project File) **Yellow - Returned with Report**



SAMPLE RECEIPT FORM

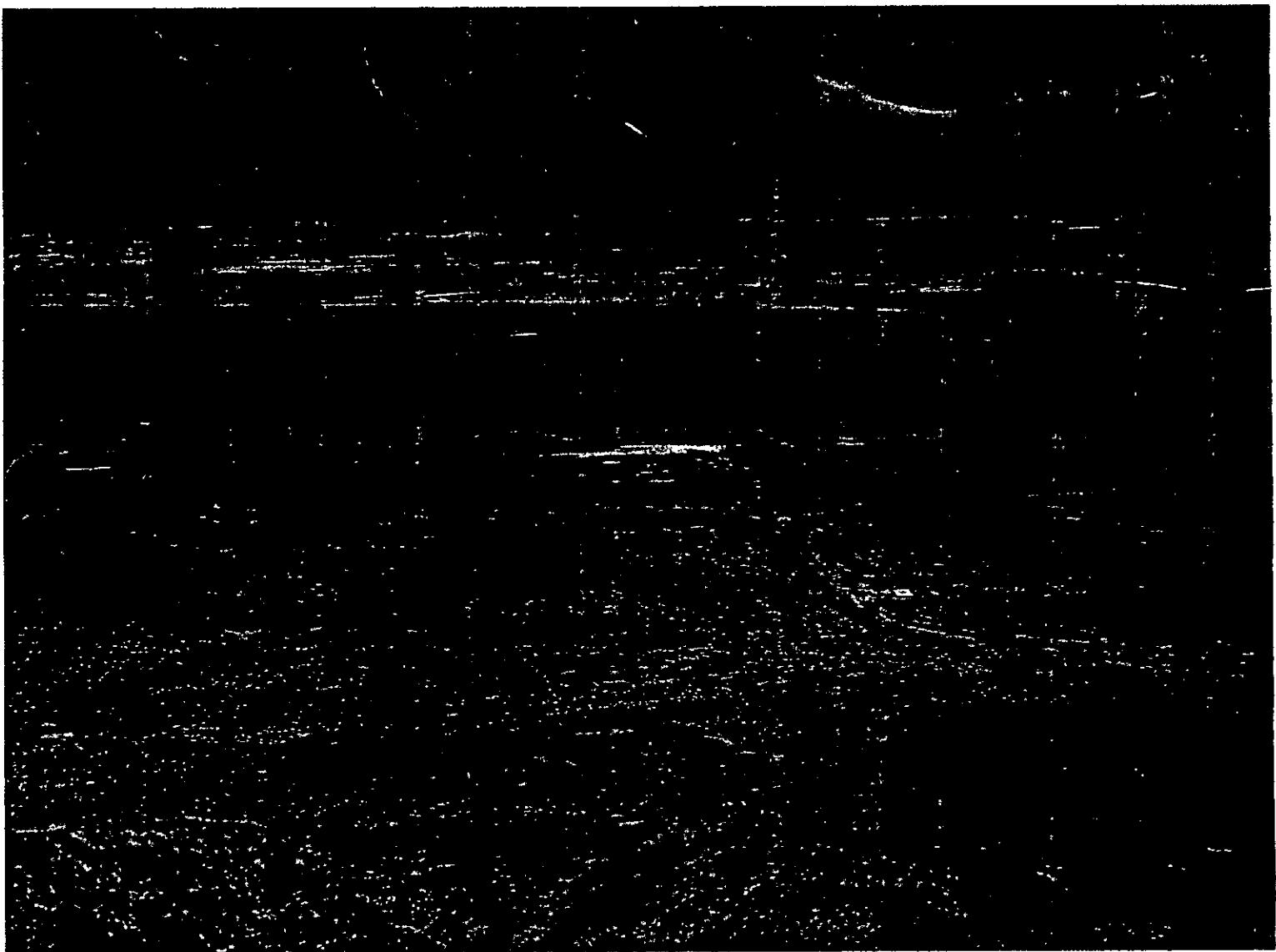
ଓঠাৰ পুস্তক

1004160

<p>Yes</p> <p>No</p> <p>Are samples RUSH, priority, or within 72 hrs of hold time? <input checked="" type="checkbox"/></p> <p>If yes, have you done e-mail notification? <input checked="" type="checkbox"/></p> <p>Are samples within 24 hrs of hold time or due date? <input checked="" type="checkbox"/></p> <p>If yes, have you spoken with Supervisor? <input checked="" type="checkbox"/></p> <p>Are there any problems (e.g., ids, analyses)? <input type="checkbox"/></p> <p>Were samples preserved correctly and pH verified? <input type="checkbox"/></p>	<p>Has Project Manager been notified of problems? <input checked="" type="checkbox"/></p> <p>Is this an ACOE/AFCEE/ADEC project? <input checked="" type="checkbox"/></p> <p>Will a data package be required? <input type="checkbox"/></p> <p>If this is for PWS, provide PWSID. <input type="checkbox"/></p> <p>Is there a quote for this project? <input type="checkbox"/></p> <p>Will courier charges apply? <input type="checkbox"/></p>
<p>Completed by (sign): <u>Dan Shetter</u> (print): <u>Den Shetter</u></p> <p>*** The following must be completed for all ACOE & AFCEE projects: ***</p>	
<p>Yes</p> <p>No</p> <p>Is cooler temperature $4 \pm 1^\circ\text{C}$? <input type="checkbox"/></p> <p>thermometer used: _____</p> <p>Was there an airbill, etc? note #: _____</p> <p>Was cooler sealed with custody seals? #/where? _____</p> <p>Were seals intact upon arrival? _____</p> <p>Was there a COC with cooler? _____</p> <p>Was the COC filled out properly? _____</p> <p>Did the COC indicate ACOE/AFCEE project? _____</p> <p>Did the COC and samples correspond? _____</p> <p>Were samples screened with Geiger counter? _____</p> <p>Were all samples packed to prevent breakage? packing material: _____</p> <p>Were all samples unbroken and clearly labelled? _____</p> <p>Were all samples sealed in separate plastic bags? _____</p> <p>Were all bottles for volatiles free of headspace? _____</p> <p>Were correct container/ sample sizes submitted? (specify) _____</p> <p>Was client notified of problems? (specify) _____</p>	<p>Notes: _____</p> <p># of each Container Received:</p> <p>950 ml amber unpres'd 500 ml amber w/ HCl 1L cubies unpres'd 1L cubies w/ HNO3 1L cubies w/ H₂SO₄ 1L cubies w/ NaOH + ZnAc 120 ml col bottles 60 ml Nalg 8 oz amber unpres'd 4 oz amber unpres'd 4 oz w/ septa w/ MeOH 40 ml vials w/ HCl Other (specify) _____</p>
<p>Due Date: <u>8/18/00</u></p> <p>Received Date/Time: <u>7/28/00</u> <u>0536</u></p> <p>Cooler Temperature: <u>2-4°C</u></p> <p>Sample Condition: <u>Good / Poor</u></p> <p>Matrix of each Sample: <u>1-5</u></p>	

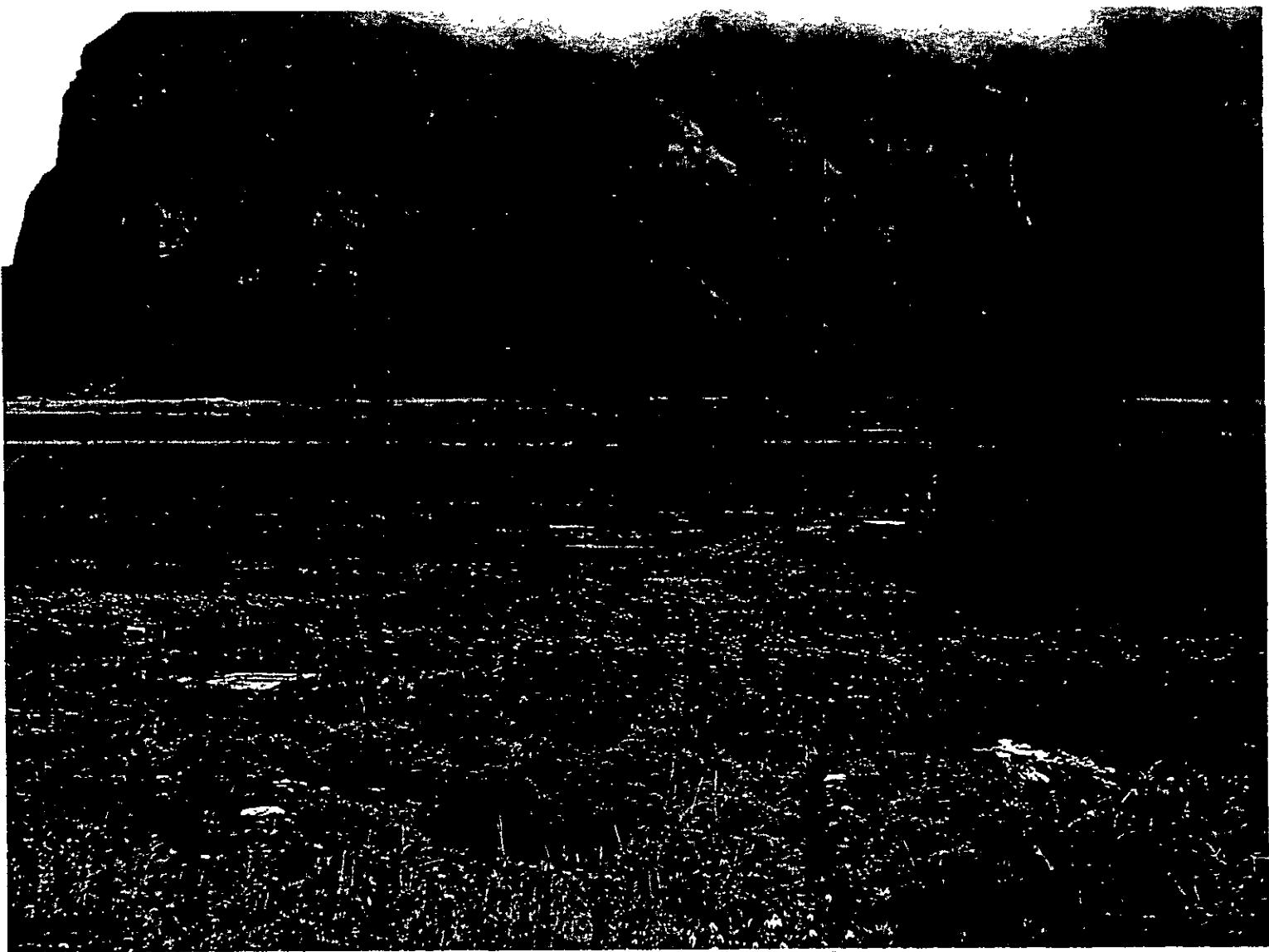
TAB

Photographs



Former Lighting Vault

9 56



Sampling at Former Lighting Vault



Blocked roadway and covered Water House pad

TAB

Logbook Notes

2

DR. 1 FT. AND DAY

27 JUN

ARRV M-1 BOAT 1030 AM. DRAG SAMPLING
UP TO 200' OF RIVER, REVERSE
ADVS

PACE OFF DISTANCE FROM W
EDGE OF RIVER TO FOAMER
FOUND 1 FT. LIGNTING VAULT AS
SCENARIOS REPORTS.
THIS DISTANCE TO BE 60-70'.
S. HOW

SAMPLING

SAMPLES TAKEN ON LINES 8'
FROM EDGE OF PAD.

CONCRETE AND OF FOAM & LIGHTING
VAULT FOUND: 5, 12, 13, 14, 15, 16, 17, 18, 19, 20,

Samples

50123008001
NK COT, 5' W OF NW COR. C HEAD

CO 2
5' E OF NW COR. C

CO 3
PAD, ALONG E 6' 1.312

CO 4
PAD, 5' E OF SW COR. C

ROAD TO TOP CAMP FOCUS
70 BE BLOCKS AT LANDSLIDE
W SEVERAL 2' + SMALL
Boulders where concrete lost

STREAM IN SPOTS ROADWAY

3

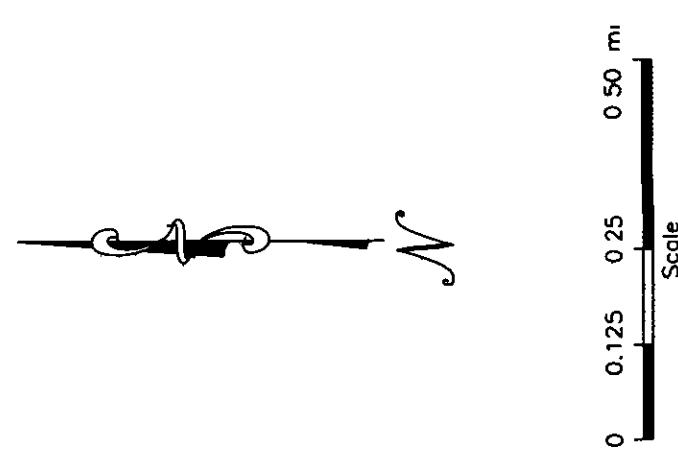
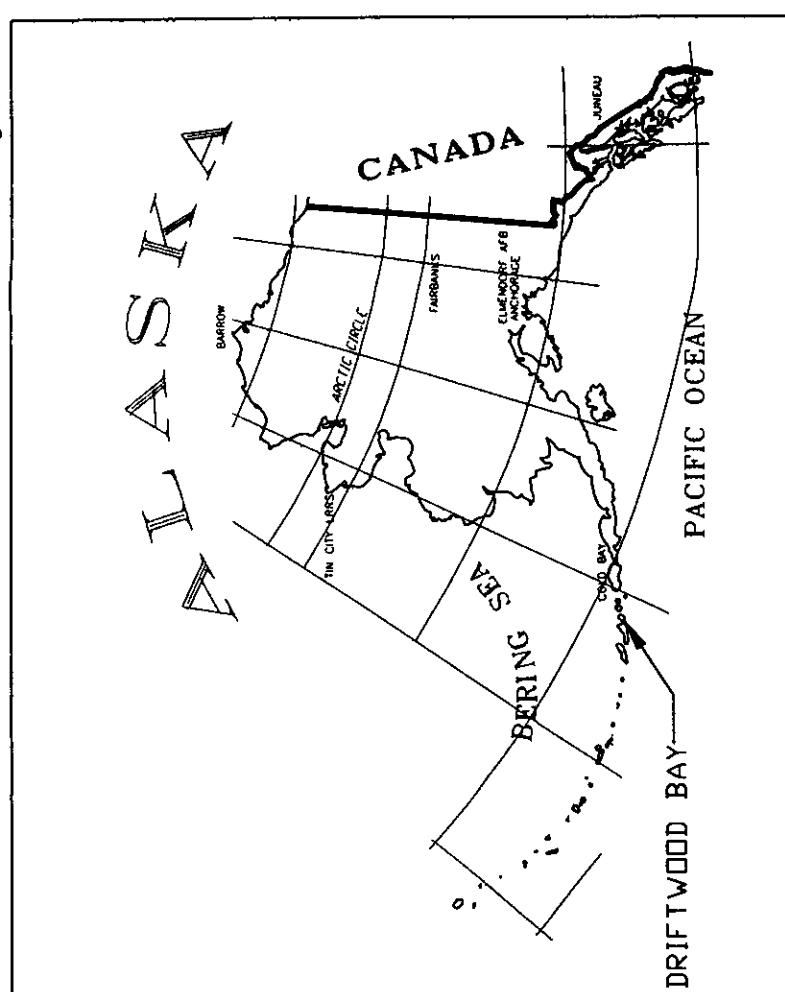
53

About 1500 up the hill.
is 1500 also covered
+ the top of the hill, just above.

TAB

Maps & Sample Locations

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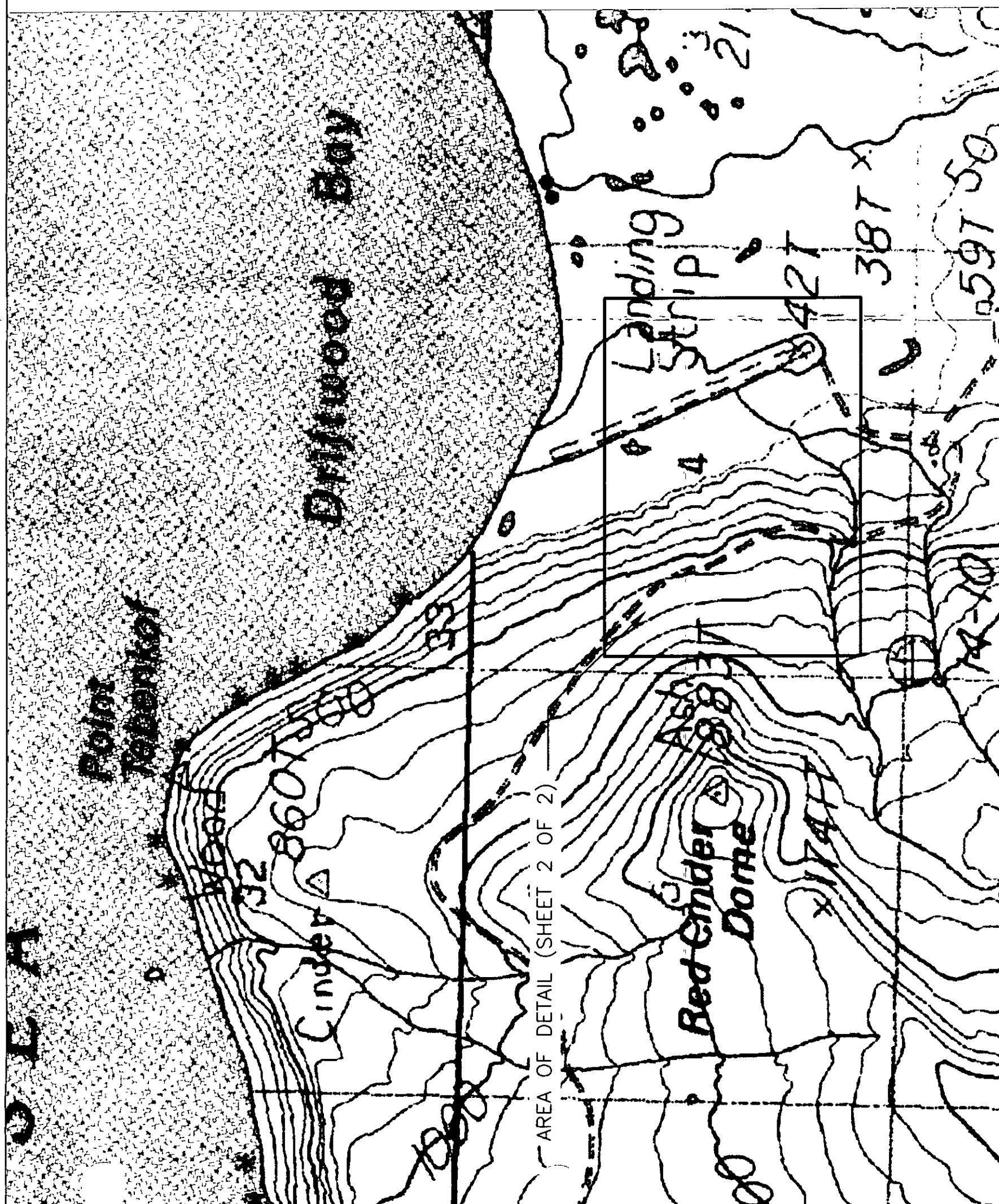
**DEPARTMENT of the AIR FORCE
611 CIVIL ENGINEER SQUADRON**

SITE INVESTIGATION

VICINITY MAP
DRIFTWOOD BAY, ALASKA

September 2000

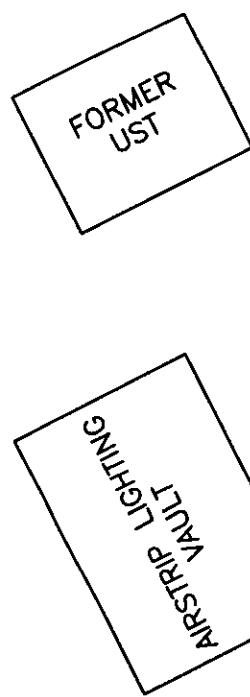
SHEET 1 OF 2



SAMPLE LOCATION DETAIL

\$ 5012300801

\$ 5012300802



\$ 5012300805

\$ 5012300804

\$ 5012300803

DETAIL LEGEND:

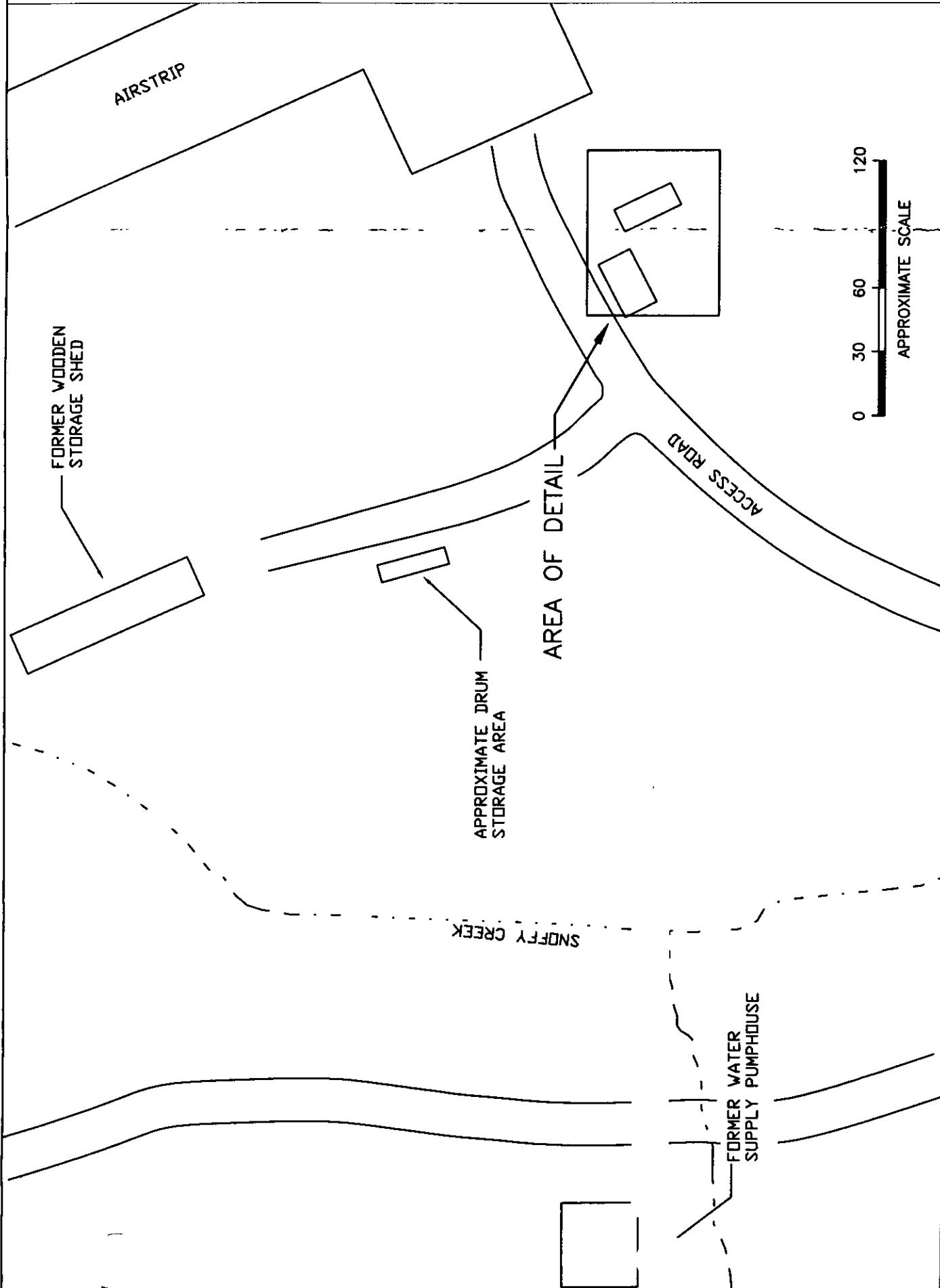
☒ 50123008## - SOIL SAMPLE LOCATION

DETAIL SCALE 1" = 10'

DEPARTMENT of the AIR FORCE
611 CIVIL ENGINEER SQUADRONSITE INVESTIGATION
SAMPLE LOCATIONS
AOC 05
DRIFTWOOD BAY, ALASKA

SHEET 2 OF 2

September 2000



FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE