9/26/01

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NWS EARLE
5090.3a

TO: JOHN KOLICIUS (EFANE)

FROM: RUSS TURNER (Tetra Tech, NUS)

SUBJECT: NWS Earle, Draft Final Wayside Investigation Report

John,

Two copies of the subject draft Final Report have been distributed. One copy has been sent to Greg Goepfert at NWS Earle, and one copy is enclosed for your review.

Please call or leave a message if you have comments or questions.

Thanks.

Russ Turner

Russ

Copy. Greg Goepfert, NWS Earle (with enclosure)
Garth Glenn (Tetra Tech NUS) (w/o enclosures)
File

ENVIRONMENTAL INVESTIGATIONS AT THE WAYSIDE AREA NAVAL WEAPONS STATION EARLE COLTS NECK, NEW JERSEY

1.0 INTRODUCTION

The Navy requested Tt NUS to perform site investigations at the Wayside Area under Contract Task Order No. 300 under Contract N62472-90-D-1298, Comprehensive Long - Term Environmental Action-Navy (CLEAN). This document contains results and data from activities performed between November 2000 and March 2001.

1.1 BACKGROUND

Naval Weapons Station (NWS) Earle is an approximately 11,134 acre U.S. Navy facility located in Monmouth County, New Jersey. The weapons station is composed of two parts. The Waterfront area is located on Sandy Hook Bay. The Mainside area is located approximately 10 miles inland from the Waterfront area in the town of Colts Neck (Figure 1). The mission of NWS Earle is to furnish ammunition to the Naval fleet.

A portion of the NWS Earle Mainside area was formerly used by the U.S. Army for its' near-exclusive use. The area in question, the Wayside Area, consists of approximately 440 acres of land located at the northeast corner of the weapons station Mainside area (Figure 1). The Army used this land for approximately 45 years, from approximately 1947 through 1992, for training exercises and electronics and communications testing. The area used by the Army is somewhat isolated from the NWS Earle Mainside area, located north of an extensive array of railroad car ordinance barricades.

A small arms firing range built by the Army in the Wayside area, has been used by the Army, Navy, and other users (for instance, local law enforcement officers) through the years. There is a small parcel of Navy-owned land in the extreme northwest corner of the Wayside area that has been used by a commercial business (asphalt plant) not related to the Navy or the Army.

1.2 PREVIOUS INVESTIGATIONS

An Environmental Assessment (EA) Report for the Wayside area was prepared for the Navy (Haliburton NUS, 1991) to document conditions and historical findings, and to recommend environmental investigations. Accurate descriptions of Wayside area boundaries, local topography, climate, geology, soils and site history are contained in the subsequent Site Investigation (SI) Report, U.S. Navy (Haliburton NUS), 1992. The SI report also contains findings of physical/chemical investigations of field conditions and recommendations for further actions.

1.3 SUMMARY OF PREVIOUS INVESTIGATION FINDINGS

The Pistol Range (shared use among the Army, Navy and other users) shows evidence of spent metal projectiles and fragments containing lead, copper, and potentially, other heavy metals in the surface soil. Typically, spent metal projectiles and fragments can be found at limited depths, up to several feet below the impact surface.

No evidence was found that the septic tanks located at the Communications Electronics Command-Electromagnetic Interference (CECOM-EMI) building or Building N have been associated with any hazardous compound disposal.

Petroleum hydrocarbons were found in soil samples obtained beneath the above ground storage tank located in front of building M, in the northwest section of the site. A former underground storage tank, located near former Building R (in the same general vicinity) is reported to have leaked.

No PCBs were detected in surface soil samples taken from near transformer pads known to have held PCB-containing transformers (the PCB-containing transformers were removed before the SI).

No evidence of asbestos materials was found in insulation from four buildings tested. Other building materials, such as floor tiles and roofing materials, are suspected to contain asbestos based on the age of the structures, but have not been tested. In addition, lead paint has been

used on all of the thirteen buildings tested for lead paint. Lead-containing paint is presumed to have been used on all painted structures.

No petroleum hydrocarbons were found beneath the former above ground tank located at the southeastern corner of the antenna field.

The US Army performed studies at the former potable water well located at Wayside Area location T-8002 in the autumn of 1999 to investigate the presence of oil in the well. The results of the Army's investigation indicated that oil, greater than two feet thick, was floating over the water in the well (Appendix A has the summary of this data).

2.0 SUMMARY OF ACTIVITIES AND RESULTS

Activities included test pit and buried vault closure efforts at a suspected underground tank location at T-8002 area. A former water storage tank and pump/accessories (removed from below ground by others) at T-8002 area were disposed off-site and the excavation was filled, graded and vegetated. Groundwater investigations, consisting of water level measurements and water quality testing were performed at five Wayside wells. Groundwater investigations were performed at wells associated with the former Wayside Area building T-8002 (well number WSMWT-8002), building T-8003 (well number WSMWT-8003), and building T-8006 (well number WSMWT-8006). Groundwater investigations were also performed at a United States Geological Survey (USGS) regional monitoring well (well number WSMWUSGS) located in the area, and at a Navy background groundwater monitoring well (WSMWBGGW01) installed in the vicinity as part of the Navy Installation Restoration Program (IRP) in 1995. Buried utility cables were mapped and samples of soil below the cable runs were obtained for laboratory analysis of reference metals (lead and cadmium). A New Jersey licensed land surveyor performed survey of sample and test pit locations.

2.1 TEST PIT INVESTIGATION AT T-8002 AREA

A backhoe was used to excavate near the two cast iron pipes protruding perpendicular to the ground surface near former Building T-8002. Two underground septic tanks (approximately 500 to 1000 gallons each), a distribution box and a leach field were found. About 2 inches of sludge was contained in the first septic tank. Analysis of the sludge by TCLP (sample number WSAQW01 [Table 1]) resulted in no indication of hazardous contents. A sample of the soil from beneath the leach field was also obtained (sample number WSTP01 and WSTP01A (duplicate)

[Table 2]) was analyzed for TCL metals and cyanide, TCL volatiles, TCL semivolatiles and TCL pesticides/PCBs (Appendix B lists analytes included in the laboratory scan for each sample suite). Leach field soil analytical results were compared to New Jersey Department of Environmental Protection (NJDEP) Unrestricted Use Direct Contact Soil Cleanup Criteria. No concentrations were found in excess of the NJDEP reference criteria. The location of each test pit is shown on Figure 2.

2.2 TANK CLOSURE AT T-8002 AREA

Concurrent with test pit investigation activities, the previously excavated water storage tank, located near the damaged former Building T-8002 foundation, was removed for off-site recycling. The obsolete tank, riser pipes from the well pump, and the well pump were removed off-site for recycling. Appendix C includes the weight ticket from the recycler for the tank and other metals disposed by recycling.

The two under ground vaults (former septic tanks) were closed in place. The excavation subcontractor removed the concrete lids, placed the broken concrete and twisted metal from the lids in the vault where possible, and filled each vault with soil provided by the Navy for the purpose. Soil was added in lifts and compacted with a vibratory compactor where practical. Soil was added to match the surrounding grade level and then mounded up slightly to allow for potential settlement. Final grading to smooth the surface was followed by an application of grass seed and straw to promote vegetation growth.

The excavation at the damaged former Building T-8002 foundation (former location of the water storage tank removed by others) was closed in a manner similar to closure of the vaults. Soil supplied by the Navy was placed in lifts and compacted. Soil was added to match the surrounding grade level and then mounded up slightly to allow for potential settlement. Final grading to smooth the surface was followed by an application of grass seed and straw to promote growth of vegetation.

2.3 GROUNDWATER LEVEL MEASUREMENTS

Two rounds of groundwater levels were obtained at each of the five wells. Table 3 presents a summary of water level measurements based on the survey performed. Figure 3 shows the wells and their respective water level measurements.

Well construction details are available for two of the five wells investigated. Monitoring well WSMWBGGW01 (also known as BGMW01) was installed by the Navy as a Base-wide

Installation Restoration Program (IRP) background well. The screened interval of WSMWBGGW01 is 17 to 27 feet below ground surface. The reported screened interval of WSMWUSGS is 207 to 223 feet below ground surface. Well construction details of the other three wells studied are not available.

The approximate reported depth below ground surface of Wayside Area monitoring wells is as follows: WSMWT-8002, >100 feet; WSMWT-8003, 49 feet; WSMWT-8006, 96 feet; WSMWUSGS, 223 feet; and WSMWBGGW01, 27 feet.

Based on the extensive hydrogeological mapping and investigation performed by USGS in the New Jersey Coastal Plain, the monitoring wells are certainly screened in, and therefore monitoring different formations (and hydrogeological units), of the local hydrogeological regime. It appears that at least the monitoring well WSMWUSGS, which is deeper that the others, does not show a comparable water level to the others. Only the limited conclusion that groundwater flow appears to tend toward the north can be made (see Figure 3). Appendix G contains the groundwater level measurement logs.

2.4 GROUNDWATER SAMPLING

Groundwater from all 5 monitoring wells was sampled according to NJDEP guidelines. The method followed was low flow sampling based on USEPA Region II Sampling Procedure Low-Flow Purge and Sampling Guidance at this site. Table 1 presents a summary of groundwater sampling analytical results and gives the reference criteria (Safe Drinking Water Act (SDWA) Maximum Contaminant Level (MCL) and the NJDEP Groundwater Quality Standard (GWQS)). Sample results that exceed either of the two sets of reference criteria are typed in "bold" print and marked with an "(E)" in Table 1 to highlight an exceedance of the corresponding regulatory criterion. Appendix D contains the full analytical report from the analytical laboratory.

2.4.1 Floating Petroleum Product in WSMWT-8002

Groundwater from WSMWT-8002 was analyzed for full scan of VOA's, semi-VOA's, metals, pesticides and PCB's, and TPH-GRO/DRO. The Army identified this well as containing up to 2 feet or more of floating petroleum compounds. It is believed that the floating petroleum compounds were the result of motor oil used to lubricate the pump motor and shaft seeping into the well. The sample obtained from WSMWT-8002 in December 2000 contained approximately

8.3 mg/L of total petroleum hydrocarbons-diesel range organics (TPH-DRO). This sample also contained some metal constituents (aluminum, iron, lead, and manganese) at concentrations above the NJDEP GWQS.

The Navy considered that the TPH-DRO compounds detected in WSMWT-8002 in December 2000 represented residual floating motor lubricating oil trapped in the well that was not fully removed by a passive oil absorbing ("sock") placed in the well, not oil entering the well from the formation. To check this hypothesis, the Navy arranged for a resampling event of the well.

A second sample (plus duplicates) from WSMWT-8002 was obtained on March 20, 2001 for TPH-DRO and metals analysis. The resampling event did not adhere to the low flow protocol for sample collection. On the contrary, a large capacity submersible pump was used to remove approximately 1000 gallons of water from the formation in about one and one half-hours. After the well fully recovered from pumping, groundwater samples were obtained using the same submersible pump at a lower flow rate. Both filtered and unfiltered samples were obtained to gauge the impact on metals results. No TPH-DRO was detected in the samples obtained from WSMWT-8002 on March 20, 2001. This result seems to support the assumption that the petroleum compounds encountered in WSMWT-8002 result from lubricating oil that entered the well over many years that remained trapped in the well as floating petroleum product above the well screen. Appendix F contains the groundwater sample log sheets.

The Navy had been planning to abandon well WSMWT-8002. Considering the results of analysis, however, the Navy decided to extend the well riser pipe to a level above new soil grade in the area of the former Building T-8002 basement (where the well originally was located) and leave the well in place for future sampling, if needed.

2.4.2 Metals found in Groundwater

As was performed for WSMWT-8002, groundwater from WSMWT-8003 was analyzed for full scan of VOA's, semi-VOA's, metals, and pesticides and PCB's in December 2000. As with WSMWT-8002, high concentrations of metals, above NJDEP GWQS, were found in the samples (Table 1). The Navy suspected that the metals found in the well water samples at concentrations above MCL's and/or GWQS's (aluminum, arsenic, copper, iron, lead and manganese [Table 1]) may have resulted from the long period of time that this well was inactive with the stagnant water in contact with the corroded submersible pump, motor, wires and piping. To check this hypothesis, the Navy arranged for a purge and resample event of the well.

A second set of samples (filtered and unfiltered) from WSMWT-8003 was obtained on March 20, 2001 for metals analysis. As with the resampling of WSMWT-8002, the resampling event did not adhere to the low flow protocol for sample collection. A large capacity submersible pump was used to remove approximately 500 gallons of water from the formation. After the well was allowed to equilibrate overnight and was fully recovered from pumping, groundwater samples were obtained. Both filtered and unfiltered samples were obtained to gauge the impact on metals results. As was found in WSMWT-8002, the elevated metals concentrations may have been residual leached metals from the inactive pump, motor, wires and piping submerged in the well a large number of years. Metals results from the resample of WSMWT-8003 showed a reduced number of metals at concentrations above reference criteria (aluminum, iron, lead and manganese). Likewise, the elevated metals concentrations found in the original sample of WSMWT-8002 may have been residual leached metals from the inactive pump and piping submerged in the well a large number of years. Metals results from the resample of WSMWT-002 showed a reduced number of metals at concentrations above NJDEP GWQS (aluminum and iron only).

Based on the results of groundwater sampling performed at the Wayside Area in December 2000 and March 2001, there appears to be a trend of metals concentrations in groundwater above regulatory guidelines. Metals exceeding regulatory guidelines include aluminum, iron, lead and manganese in several wells, and vanadium in one well. However, the concentrations of metals in groundwater noted above merit further discussion.

4.2.3 Groundwater Quality Versus Background

The only readily available site-specific background data on groundwater metals concentrations are from the RI performed in 1995. Unfortunately, the groundwater background data from that investigation was developed for shallow groundwater, only. With the exception of WSMWBGGW1, which is one of the 1995 RI background wells, the groundwater samples collected at the Wayside Area are from much deeper levels that may not correspond to hydrogeologic units studied in the 1995 RI. It is certain that the background well (BGGW01) at the Wayside Area monitors a different hydrogeologic unit than the deeper wells in that area.

Of the metals identified at concentrations above reference criteria (aluminum, iron, lead, manganese and vanadium), only aluminum was found at concentrations consistently below the background concentration (13,500 ug/L) calculated for aluminum in the 1995 RI report.

4.2.4 Groundwater Quality Versus Screened Hydrogeologic Unit

There is limited site-specific geologic stratigraphy data available for the aquifer materials beneath of the Wayside Area. A very general hand-written log has been provided by USGS for the installation of WSMWUSGS. The log indicates the following aquifer materials (soil types) were penetrated during the boring installation for WSMWUSGS:

DEPTH INTERVAL BGS (Below Ground Surface)	SOIL TYPE
16 - 84 feet	Yellow Sand
84 - 94 feet	Green Sand and Lignite
94 - 214 feet	Clay and Lignite
214 - 223 feet	Lignite, Shell and Sand

Some inference from this data may be applied to the completion depth and (unknown) construction of the Wayside Area monitoring wells sampled. Those wells completed in the Green Sand (containing the mineral glauconite, which is rich in iron) might be expected to exhibit higher concentrations of iron compared to the background concentrations. Also, any wells passing through the Green Sand formation(s) could be effected by seepage of iron through the well riser pipe (if cracks are present) or joints.

One Wayside Area monitoring well is completed in the Green Sand interval (WSMWT-8006). Two monitoring wells (WSMWT-8003 and WSMWT-8006) exhibit iron at concentrations greater than the range of background iron (6670 ug/L) calculated for the 1995 RI. Either of these two wells could be effected by iron from the Green Sand formation(s).

4.2.5 Groundwater Quality Versus Sample Filtration

Only the sample from WSMWT-8003 exceeded the lead reference criteria after the resample event. Lead was not detected in the corresponding filtered sample collected in the resample event.

With the exception of WSMWBGGW01, the Wayside Area wells sampled for this investigation were not installed for the purpose of monitoring groundwater quality. Materials of construction of these wells are not fully known. The wells sampled generally appear to be constructed of steel pipe risers in clay and sand with unknown materials in the well screen (the USGS well has a

stainless steel well screen). Well installation techniques vary, but some water supply wells made of steel riser pipes have joints sealed with lead solder, and since these wells are old, there is the possibility of cracks in the riser pipe or corrosion of the well screens may have increased effective slot pore size over the years. Lead could also possibly leach from the lead solder if present in the joints.

The sampling endpoint turbidity reading taken during sample collection at WSMWT-8003 in March 2001 (see Appendix F - Groundwater Sample Collection Log Sheets) was 83.0 NTU. Because of the turbidity and the observation that lead was not detected in the filtered (dissolved metals analysis) sample, it is possible that the lead found in the unfiltered sample was part of the suspended sediments (clay particles) drawn through the well screen. If that is the case, the lead found in the unfiltered sample would not be considered a dissolved constituent of groundwater migrating with groundwater flow.

2.5 BURIED CABLE MAPPING

Buried utilities, electric and phone lines were mapped at the Wayside Area within the NWS Earle boundaries. Not every square foot of was actively surveyed. The approach the Navy used identified the position of vertices and runs of the buried electric and telephone lines. Figure 4 shows buried utility lines.

2.6 SOIL SAMPLING ALONG BURIED CABLE

Ten soil samples plus one duplicate soil sample were obtained below the bottom of the buried cables from shallow (hand auger) soil borings. The eleven soil samples were designated WSSB01 through WSSB11. Appendix E contains soil sample log sheets. Soil samples WSSB01 through WSSB11 were analyzed for lead (Pb) and cadmium (Cd). The duplicate sample was designated WSSB05/WSSB06. Table 2 summarizes results, showing positive detections only. No cadmium was detected in any sample. Lead was found at concentrations well below the NJDEP Unrestricted Use Direct Contact Soil Cleanup Criterion.

2.9 SURVEY

Survey activities were carried out under the supervision of a New Jersey licensed land surveyor. Appendix H contains a copy of the surveyor's report. The horizontal datum referenced is New Jersey Plane Coordinates NAD 83. The vertical datum referenced is NAVD 88.

TABLES

Table 1
Summary of Positive Analytical Results for Aqueous Samples
NWS Earle, Wayside Area
Colts Neck, New Jersey

Client Sample ID:	WSAQW01		BGGW01		WSMWT-8002		WSMWT-8002D		WSMWT-8002F		WSMWT-8003DF		WSMWT-8003F			
Sample Date:	12/04/00		12/05/00		03/20/01		03/20/01		03/20/01		03/20/01		03/20/01			
Duplicate:					WSMWT-8002D		WSMWT-8002				WSMWT-8003F		WSMWT-8003DF		MCL[1] (ug/L)	NJDEP GWQS[2] (ug/L)
	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL		
VOLATILES	mg/L		ug/L		ug/L		ug/L									
Benzene	0.0126	J							NA		NA		NA		5	1
Xylene (Total)	NA								NA		NA		NA		10000	1000
SEMIVOLATILES			ug/L													
Bis(2-ethylhexyl)phthalate	NA				NA		NA		NA		NA		NA		6	--
INORGANICS	mg/L		ug/L		ug/L				ug/L		ug/L		ug/L			
Aluminum	NA		**4320 (E)**		**667 (E)**		NA		**625 (E)**						200 (S)	200
Arsenic							NA								5	8
Cadmium	0.0076						NA								5	20
Calcium	NA						NA									--
Chromium			75.7				NA								100	100
Copper	NA						NA				46.5		47.9		1300	1000
Iron	NA		**8450 (E)**		**8350 (E)**		NA		**8380 (E)**		**5320 (E)**		**5600 (E)**		300 (S)	300
Lead			5.5				NA								15	10
Magnesium	NA		8000				NA									--
Manganese	NA		**51.4 (E)**		32.2		NA		32.8		**285 (E)**		**299 (E)**		50 (S)	50
Nickel	NA						NA								100 (H)	100
Sodium	NA		32000				NA				6030		6300			--
Vanadium	NA		62.7				NA								2.1 (G)	--
Zinc	NA		47.5		161		NA		162		115		121		5000 (S)	5000
MISCELLANEOUS PARAMETERS																
TPH-DRO	NA		NA		ND		ND		NA		NA		NA			

Table 1
Summary of Positive Analytical Results for Aqueous Samples
NWS Earle, Wayside Area
Colts Neck, New Jersey

Client Sample ID:	WSMWT-8003		WSMWT-8003D		WSMWT-8000		WSMWT-8002		WSMWT-8003		WSMWT-8006		WSMWUSGS		WSMWUSGS-DUP			
Sample Date:	03/20/01		03/20/01		12/07/00		12/07/00		12/05/00		12/07/00		01/17/01		01/17/01			
Duplicate:	WSMWT-8003D		WSMWT-8003		WSGWT-8002		WSGWT-8000						WSMWUSGS-DUP		WSMWUSGS		MCL[1] (ug/L)	NJDEP GWQS[2] (ug/L)
	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL	RESULT	QUAL		
VOLATILES					ug/L		ug/L		ug/L		ug/L		ug/L		ug/L			
Benzene	NA		NA														5	1
Xylene (Total)	NA		NA		1.7	J											10000	1000
SEMIVOLATILES					ug/L		ug/L		ug/L		ug/L		ug/L		ug/L			
Bis(2-ethylhexyl)phthalate	NA		NA										1.1	J	1.7	J	6	–
INORGANICS	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L			
Aluminum	432 (E)				4180 (E)		4060 (E)		514 (E)		5610 (E)						200 (S)	200
Arsenic									12.8 (E)								5	8
Cadmium									9.7								5	20
Calcium	15000												24500		24400			--
Chromium					25.2		24.5		36.1		20.1		11.3		12.6		100	100
Copper	660		637						33000 (E)		199						1300	1000
Iron	21400 (E)		19200 (E)		19100 (E)		18500 (E)		372000 (E)		35800 (E)		7610 (E)		8290 (E)		300 (S)	300
Lead	32.7		31.8 (E)		41.1 (E)		39.6 (E)		2630 (E)		7.5		16.5 (E)		15.6 (E)		15	10
Magnesium																		--
Manganese	316 (E)		312 (E)		178 (E)		174 (E)		248 (E)		177 (E)		95.7 (E)		99.2 (E)		50 (S)	50
Nickel											40.6						100 (H)	100
Sodium	6780		6210						7360		5130							--
Vanadium											94.7 (E)						2.1 (G)	--
Zinc	249		233		269		292		1260		1220		721		797		5000 (S)	5000
MISCELLANEOUS PARAMETERS					mg/L		mg/L											
TPH-DRO	NA		NA		7.64		8.98		NA		NA		NA		NA			

Table 1
Summary of Positive Analytical Results for Aqueous Samples
NWS Earle, Wayside Area
Colts Neck, New Jersey

Data Qualifiers:
J -- Value is considered estimated due to exceedance of technical quality control criteria or because result is less than the Contract Required Quantitation Limit (CRQL).
(Blank value) -- Result is non-detected. Detection limits are omitted for clarity.
NA -- No result is available/applicable for this parameter in this sample.
ND -- Not Detected
D - Duplicate
F - Filtered
(E) - Value exceeds a reference criterion.
1- MCL - Maximum Contaminant Level. EPA, 2000. Drinking Water Standards and Health Advisories. Office of Water. United States Environmental Protection Agency. Washington, D.C. Summer 2000.
(G) - Ingestion.
(H) - Lifetime Health Advisory.
(S) - Secondary Maximum Contaminant Level.
2- NJDEP GWQS - New Jersey Department of Environmental Protection Groundwater Quality Standard. (N.J.A.C. 7:9-6)

Database source file: D:\EARLE\EWGW.DBF data retrieved on: 05/04/01

Table 2
Summary of Positive Analytical Results for Solid Samples
NWS Earle, Wayside Area
Colts Neck, New Jersey

Client Sample ID:	WSSB07		WSSB08		WSSB09		WSSB10		WSSB11		WSTP01		WSTP01A		
Sample Date:	12/05/00		12/05/00		12/06/00		12/06/00		12/06/00		12/04/00		12/04/00		NJDEP Direct Contact[1] (mg/kg)
Duplicate:											WSTP01A		WSTP01		
	RESULT	**QUAL**	**RESULT**	**QUAL**	**RESULT**	**QUAL**	**RESULT**	**QUAL**	**RESULT**	**QUAL**	**RESULT**	**QUAL**	**RESULT**	**QUAL**	
VOLATILES											**ug/kg**		**ug/kg**		
Methylene Chloride	NA		NA		NA		NA		NA		1.5	J	1.9	J	49
INORGANICS	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		
Aluminum	NA		NA		NA		NA		NA		1700		1490		--
Chromium	NA		NA		NA		NA		NA		7.6		7		240
Iron	NA		NA		NA		NA		NA		3200		3110		--
Lead	6.1		5.5		2.0		1.8		3.0		1.6		1.7		400
Manganese	NA		NA		NA		NA		NA		7.4		6.8		--
Vanadium	NA		NA		NA		NA		NA		6.9		6.7		--
Zinc	NA		NA		NA		NA		NA		3.2		2.8		1500

Table 2
Summary of Positive Analytical Results for Solid Samples
NWS Earle, Wayside Area
Colts Neck, New Jersey

Data Qualifiers:
J -- Value is considered estimated due to exceedance of technical quality control criteria or because result is less than the Contract Required Quantitation Limit (CRQL).
(Blank value) -- Result is non-detected. Detection limits are omitted for clarity.
NA -- No result is available/applicable for this parameter in this sample.

All soil boring (SB) samples were analyzed to detect lead and cadmium. No cadmium was found above detection limits. WSTP01 and WSTP01A are duplicate samples of sludge obtained from the septic tank.

1- NJDEP Direct Contact - New Jersey Department of Environmental Protection. (N.J.A.C. 7:9-6)

Database source file: D:\EARLE\EWSS.DBF data retrieved on: 03/12/01

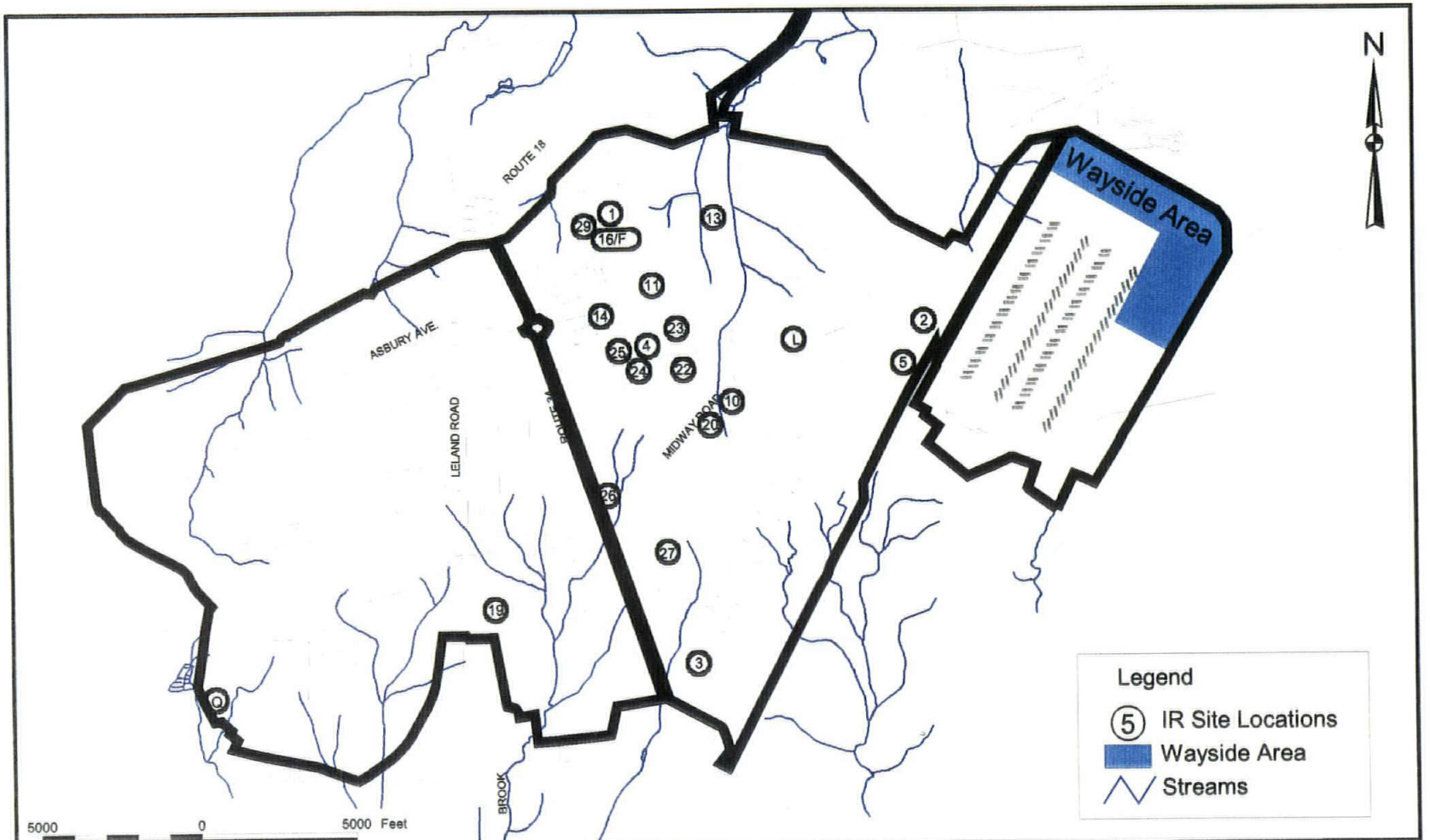
TABLE 3
WAYSIDE AREA STATIC-WATER-LEVEL MEASUREMENTS
WAYSIDE AREA
NWS EARLE, COLTS NECK, NEW JERSEY

Well Number	TOC* Elevation	Date of Measurement	Depth to Water (feet below TOC[1])	Groundwater Elevation	Date of Measurement	Depth to Water (feet below TOC[1])	Groundwater Elevation
BGGW01	96.31	12/05/00	21.60	74.71	01/17/01	21.80	74.51
WSMWUSGS	149.83	12/06/00	126.00	23.83	01/17/01	125.12	24.71
WSMWT-8002	143.24	12/05/00	NA	NA	01/17/01	NA	NA
WSMWT-8003	93.38	12/05/00	22.25	71.13	01/17/01	21.84	71.54
WSMWT-8006	149.28	12/05/00	72.30	76.98	01/17/01	72.47	76.81

Well Number	TOC* Elevation	Date of Measurement	Depth to Water (feet below TOC[1])	Groundwater Elevation
WSMWT-8002	143.24	03/20/01	67.53	75.71
WSMWT-8003	93.38	03/20/01	20.59	72.79

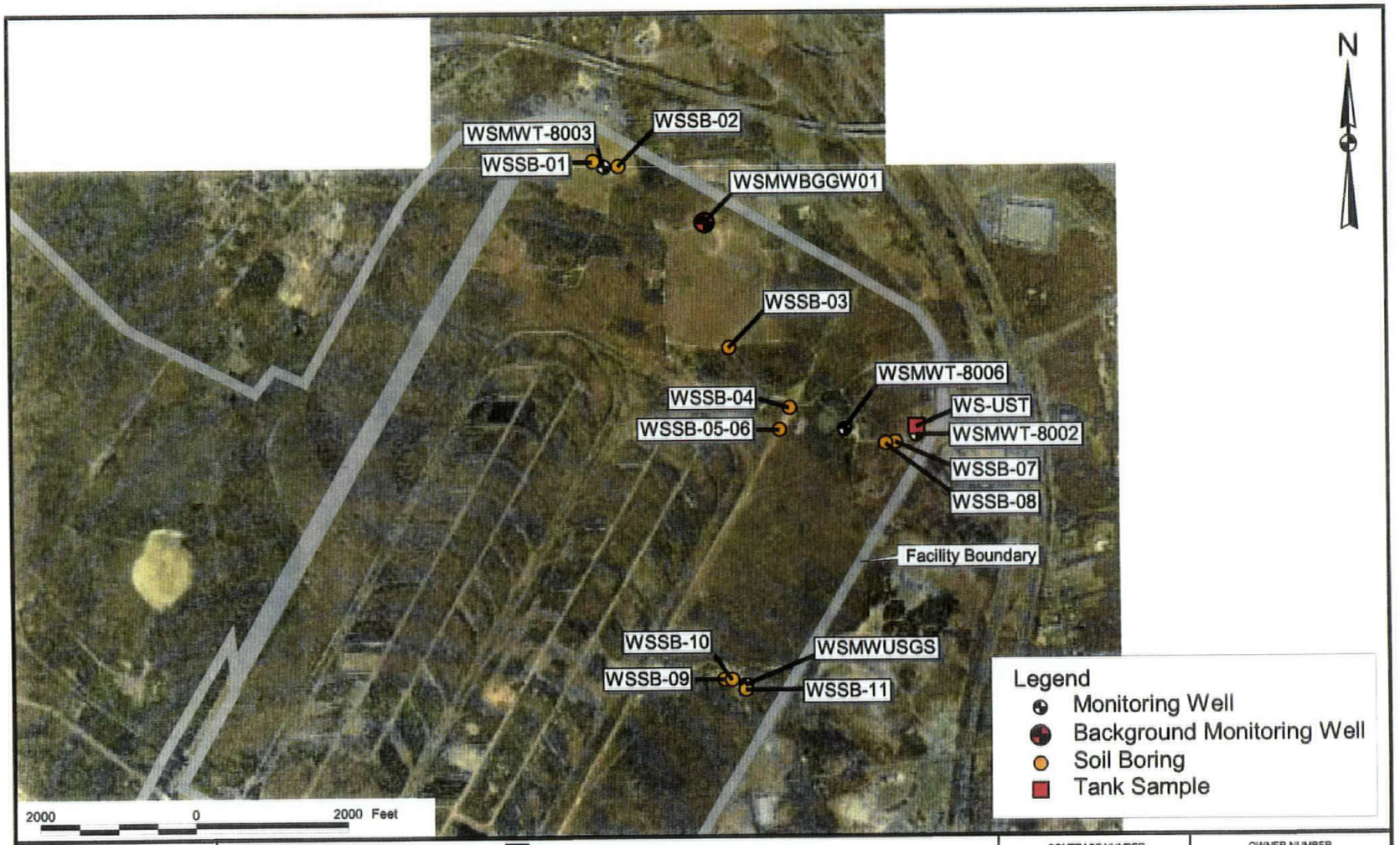
* Vertical Datum: NAVD 88
1 TOC = Top of Casing
NA Not Applicable because TOC datum for this well at that date was not available (the casing was extended in March, 2001 and TOC datum was surveyed)

FIGURES



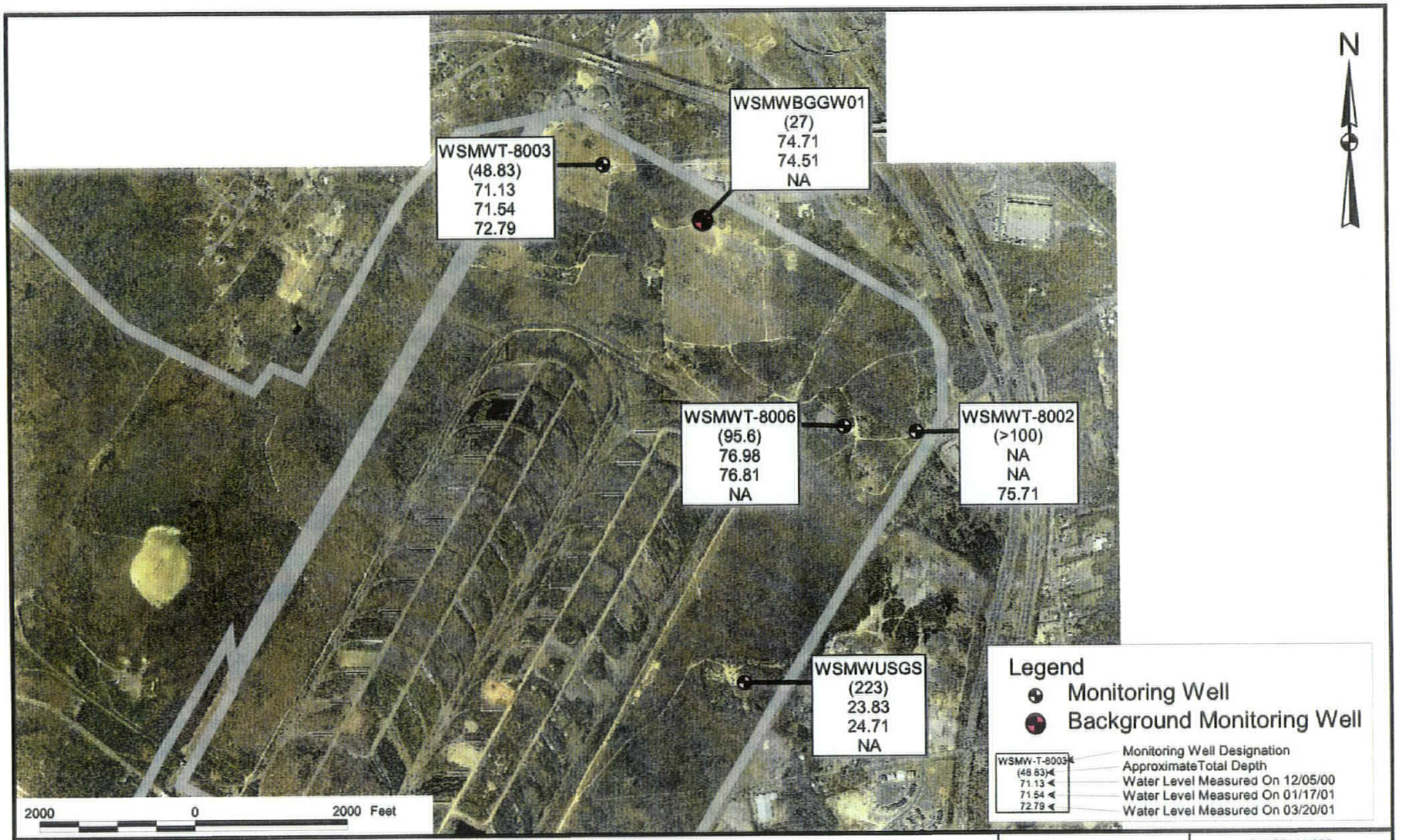
DRAWN BY MJJ — DATE 06Jun01	Tetra Tech NUS, Inc.	CONTRACT NUMBER 7695	OWNER NUMBER 0300
CHECKED BY — DATE —	WAYSIDE AREA LOCATION NAVAL WEAPONS STATION EARLE COLTS NECK, NEW JERSEY	APPROVED BY — DATE —	
COST/SCHEDULE-AREA		APPROVED BY — DATE —	
SCALE AS NOTED		DRAWING NO. FIGURE 1	REV 0

P:\GIS\NWS_Earle\76951320_200106.apr 06Jun01 MJJ Layout1



DRAWN BY MJJ	DATE 08Jun01	Tetra Tech NUS, Inc.	CONTRACT NUMBER 7695 / OWNER NUMBER 0300
CHECKED BY	DATE	WAYSIDE SAMPLE LOCATIONS NAVAL WEAPONS STATION EARLE COLTS NECK, NEW JERSEY	APPROVED BY / DATE
COST/SCHEDULE-AREA			APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2 / REV 0

P:\GIS\NWS_Earle\76951320_200106.apr 08Jun01 MJJ Layout2



DRAWN BY MJJ	DATE 08Jun01	Tetra Tech NUS, Inc.	CONTRACT NUMBER 7695 / OWNER NUMBER 0300
CHECKED BY	DATE	STATIC WATER LEVEL MEASUREMENTS NAVAL WEAPONS STATION EARLE COLTS NECK, NEW JERSEY	APPROVED BY / DATE
COST/SCHEDULE-AREA			APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3 / REV 0

P:\GIS\NWS_Earle\76951320_200106.apr 20Sept01 MJJ Layout3

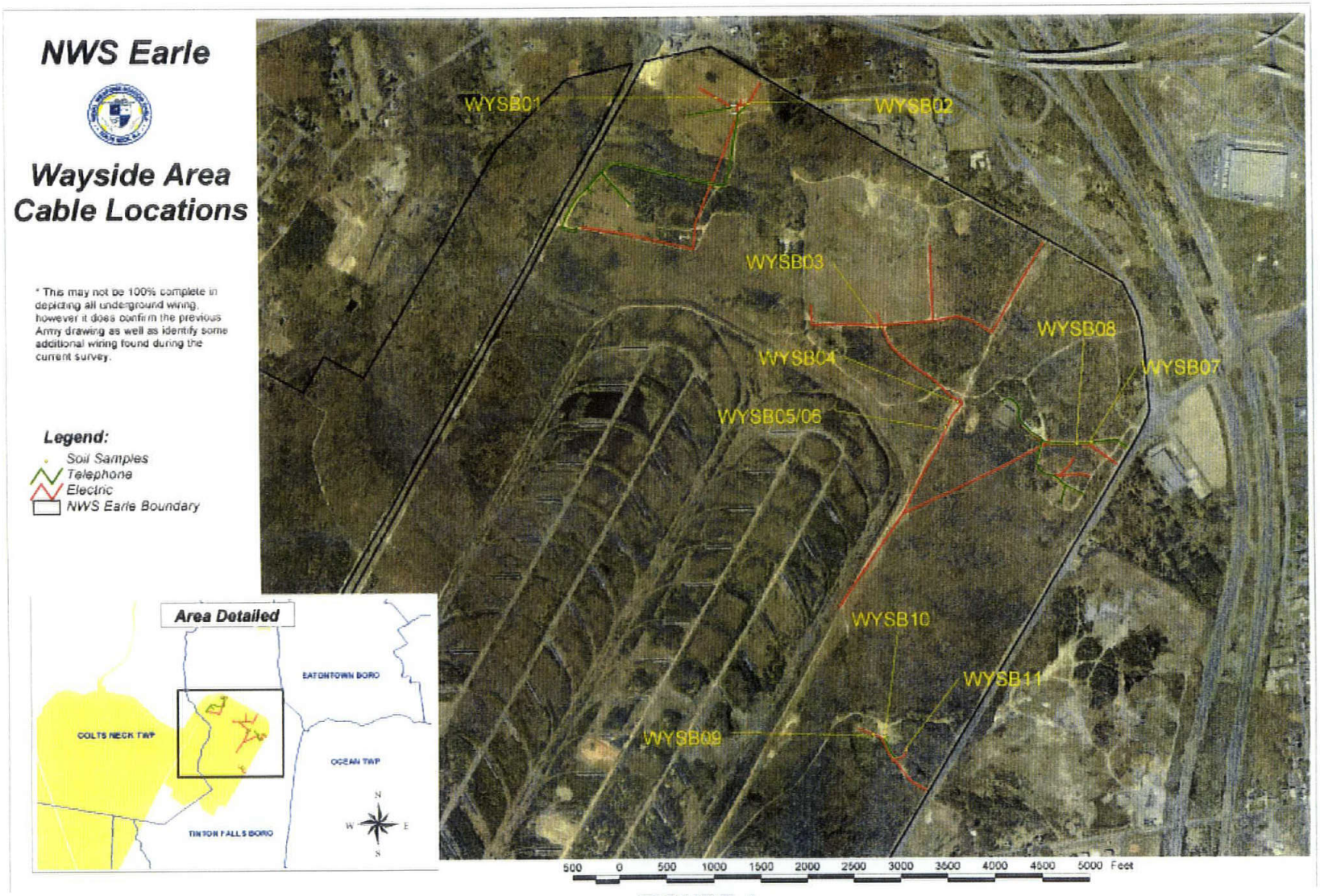

NWS Earle
Wayside Area
Cable Locations
* This may not be 100% complete in depicting all underground wiring, however it does confirm the previous Army drawing as well as identify some additional wiring found during the current survey.
Legend:
Soil Samples
Telephone
Electric
NWS Earle Boundary
Area Detailed
EATONTOWN BORO
COLTS NECK TWP
OCEAN TWP
TINTON FALLS BORO
N
W
E
S
WYSB01
WYSB02
WYSB03
WYSB04
WYSB05/06
WYSB07
WYSB08
WYSB09
WYSB10
WYSB11
500 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 Feet

FIGURE 4

APPENDIX A

Well WSMWT-8002 Floating Oil Data From The US Army

WAYSIDE AREA

NWSE T-8002 AREA - POTABLE WELL DATA

DATE	DEPTH TO OIL (FT)	DEPTH TO WATER (FT)	TIME
9/2/99	56.7	59.9	(Taken @ 1132)
9/2/99	57.0	57.4	(Taken @ 1215)
9/2/99	57.5	57.25	(Taken @ 1300)
9/3/99	57.0	57.09	(Taken @ 0907)
9/29/99	SEE FIELD NOTES	57.35	(> 1000 hrs.)
10/6/99	SEE FIELD NOTES	57.47	(> 0913 hrs.)
10/15/99	SEE FIELD NOTES	57.95	(> 1100 hrs.)
12/1/00	57.9	57.98	(app. 0830 hrs.)

REC'D 12/01/00
Mark Laura
Ft. Monmouth
Environmental Lab.

APPENDIX B

List of Analytes Included in Laboratory Analytical Sample Suite

TABLE I
INORGANIC TARGET ANALYTE LIST (TAL)

Analyte	Contract Required Detection Limit (1,2) (ug/L)
Aluminum	100
Antimony	5
Arsenic	2
Barium	20
Beryllium	1
Cadmium	1
Calcium	500
Chromium	10
Cobalt	10
Copper	10
Iron	100
Lead	2
Mangnesium	500
Manganese	10
Mercury	0.2
Nickel	20
Potassium	750
Selenium	3
Silver	10
Sodium	500
Thallium	10
Vanadium	10
Zinc	20
Cyanide	10

(1) Any analytical method specified in SOW Exhibit D may be utilized , except for the ICP/MS method (see Table II) and the IC method for Fluoride, provided the documented instrument detection limits meet the Contract Required Detection Limit (CRDL) requirements. Higher detection limits may only be used in the following circumstance:

NEW

1.0 VOLATILES TARGET COMPOUND LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

	Volatiles	CAS Number	Quantitation Limits Water µg/L	Low Soil µg/Kg	Med. Soil µg/Kg	On Column (ng)
1.	*Dichlorodifluoromethane*	*75-71-8*	*10*	*10*	*1200*	*(50)*
2.	Chloromethane	74-87-3	10	10	1200	(50)
3.	Vinyl Chloride	75-01-4	10	10	1200	(50)
4.	Bromomethane	74-83-9	10	10	1200	(50)
5.	Chloroethane	75-00-3	10	10	1200	(50)
6.	*Trichlorofluoromethane*	*75-69-4*	*10*	*10*	*1200*	*(50)*
7.	1,1-Dichloroethene	75-35-4	10	10	1200	(50)
8.	*1,1,2-Trichloro-1,2,2-trifluoroethane*	*76-13-1*	*10*	*10*	*1200*	*(50)*
9.	Acetone	67-64-1	10	10	1200	(50)
10.	Carbon Disulfide	75-15-0	10	10	1200	(50)
11.	*Methyl Acetate*	*79-20-9*	*10*	*10*	*1200*	*(50)*
12.	Methylene Chloride	75-09-2	10	10	1200	(50)
13.	*trans-1,2-Dichloroethene* LC	*156-60-5*	10	10	1200	(50)
MTBE 14.	*tert-Butyl Methyl Ether*	*1634-04-4*	*10*	*10*	*1200*	*(50)*
15.	1,1-Dichloroethane	75-34-3	10	10	1200	(50)
16.	*cis-1,2-Dichloroethene* LC	*156-59-2*	10	10	1200	(50)
17.	2-Butanone	78-93-3	10	10	1200	(50)
18.	Chloroform	67-66-3	10	10	1200	(50)
19.	1,1,1-Trichloroethane	71-55-6	10	10	1200	(50)
20.	*Cyclohexane*	*110-82-7*	*10*	*10*	*1200*	*(50)*
21.	Carbon Tetrachloride	56-23-5	10	10	1200	(50)
22.	Benzene	71-43-2	10	10	1200	(50)
23.	1,2-Dichloroethane	107-06-2	10	10	1200	(50)
24.	Trichloroethene	79-01-6	10	10	1200	(50)
25.	*Methylcyclohexane*	*108-87-2*	*10*	*10*	*1200*	*(50)*
26.	1,2-Dichloropropane	78-87-5	10	10	1200	(50)
27.	Bromodichloromethane	75-27-4	10	10	1200	(50)
28.	cis-1,3-Dichloropropene	10061-01-5	10	10	1200	(50)
29.	4-Methyl-2-pentanone	108-10-1	10	10	1200	(50)
30.	Toluene	108-88-3	10	10	1200	(50)
31.	trans-1,3-Dichloropropene	10061-02-6	10	10	1200	(50)
32.	1,1,2-Trichloroethane	79-00-5	10	10	1200	(50)
33.	Tetrachloroethene	127-18-4	10	10	1200	(50)
34.	2-Hexanone	591-78-6	10	10	1200	(50)
35.	Dibromochloromethane	124-48-1	10	10	1200	(50)

Miss 2 more
Bromoform methane LC

	Volatiles	CAS Number	Quantitation Limits Water µg/L	Low Soil µg/Kg	Med. Soil µg/Kg	On Column (ng)
EDB 36.	1,2-Dibromoethane LC	106-93-4	10	10	1200	(50)
37.	Chlorobenzene	108-90-7	10	10	1200	(50)
38.	Ethylbenzene	100-41-4	10	10	1200	(50)
39.	Xylenes (total)	1330-20-7	10	10	1200	(50)
40.	Styrene	100-42-5	10	10	1200	(50)
41.	Bromoform	75-25-2	10	10	1200	(50)
42.	Isopropylbenzene (Cumene)	98-82-8	10	10	1200	(50)
43.	1,1,2,2-Tetrachloroethane	79-34-5	10	10	1200	(50)
44.	1,3-Dichlorobenzene LC	541-73-1	10	10	1200	(50)
45.	1,4-Dichlorobenzene LC	106-46-7	10	10	1200	(50)
46.	1,2-Dichlorobenzene LC	95-50-1	10	10	1200	(50)
47.	1,2-Dibromo-3-chloropropane LC	96-12-8	10	10	1200	(50)
48.	1,2,4-Trichlorobenzene	120-82-1	10	10	1200	(50)

LC - is on OLC02.1 TCL.

2.0 SEMIVOLATILES TARGET COMPOUND LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

	Semivolatiles	CAS Number	Quantitation Limits Water µg/L	Low Soil µg/Kg	Med. Soil µg/Kg	On Column (ng)
49.	*Benzaldehyde*	*100-52-710*	*330*	*10000*	*(20)*	
50.	Phenol	108-95-210	330	10000	(20)	
51.	bis-(2-Chloroethyl) ether	111-44-410	330	10000	(20)	
52.	2-Chlorophenol	95-57-810	330	10000	(20)	
53.	2-Methylphenol	95-48-710	330	10000	(20)	
54.	2,2'-oxybis(1-Chloropropane)[1]	108-60-110	330	10000	(20)	
55.	*Acetophenone*	*98-86-210*	*330*	*10000*	*(20)*	
56.	4-Methylphenol	106-44-510	330	10000	(20)	
57.	N-Nitroso-di-n propylamine	621-64-710	330	10000	(20)	
58.	Hexachloroethane	67-72-110	330	10000	(20)	
59.	Nitrobenzene	98-95-310	330	10000	(20)	
60.	Isophorone	78-59-110	330	10000	(20)	
61.	2-Nitrophenol	88-75-510	330	10000	(20)	
62.	2,4-Dimethylphenol	105-67-910	330	10000	(20)	
63.	bis(2-Chloroethoxy) methane	111-91-110	330	10000	(20)	
64.	2,4-Dichlorophenol	120-83-210	330	10000	(20)	
65.	Naphthalene	91-20-310	330	10000	(20)	
66.	4-Chloroaniline	106-47-810	330	10000	(20)	
67.	Hexachlorobutadiene	87-68-310	330	10000	(20)	
68.	*Caprolactam*	*105-60-210*	*330*	*10000*	*(20)*	
69.	4-Chloro-3-methylphenol	59-50-710	330	10000	(20)	
70.	2-Methylnaphthalene	91-57-610	330	10000	(20)	
71.	Hexachlorocyclo-pentadiene	77-47-410	330	10000	(20)	
72.	2,4,6-Trichlorophenol	88-06-210	330	10000	(20)	
73.	2,4,5-Trichlorophenol	95-95-425	830	25000	(50)	

1,2,4-TCB

[1] Previously known by the name bis(2-Chloroisopropyl)ether.

Exhibit C -- Section 2
Semivolatiles (SVOA)

	Semivolatiles	CAS Number	Quantitation Limit Water µg/L	Low Soil µg/Kg	Med. Soil µg/Kg	On Column (ng)
74.	*1,1'-Biphenyl*	*92-52-4*	*10*	*330*	*10000*	*(20)*
75.	2-Chloronaphthalene	91-58-7	10	330	10000	(20)
76.	2-Nitroaniline	88-74-4	25	830	25000	(50)
77.	Dimethylphthalate	131-11-3	10	330	10000	(20)
78.	2,6-Dinitrotoluene	606-20-2	10	330	10000	(20)
79.	Acenaphthylene	208-96-8	10	330	10000	(20)
80.	3-Nitroaniline	99-09-2	25	830	25000	(50)
81.	Acenaphthene	83-32-9	10	330	10000	(20)
82.	2,4-Dinitrophenol	51-28-5	25	830	25000	(50)
83.	4-Nitrophenol	100-02-7	25	830	25000	(50)
84.	Dibenzofuran	132-64-9	10	330	10000	(20)
85.	2,4-Dinitrotoluene	121-14-2	10	330	10000	(20)
86.	Diethylphthalate	84-66-2	10	330	10000	(20)
87.	Fluorene	86-73-7	10	330	10000	(20)
88.	4-Chlorophenyl-phenyl ether	7005-72-3	10	330	10000	(20)
89.	4-Nitroaniline	100-01-6	25	830	25000	(50)
90.	4,6-Dinitro-2-methylphenol	534-52-1	25	830	25000	(50)
91.	N-Nitroso diphenylamine	86-30-6	10	330	10000	(20)
92.	4-Bromophenyl-phenylether	101-55-3	10	330	10000	(20)
93.	Hexachlorobenzene	118-74-1	10	330	10000	(20)
94.	*Atrazine*	*1912-24-9*	*10*	*330*	*10000*	*(20)*
95.	Pentachlorophenol	87-86-5	25	830	25000	(50)
96.	Phenanthrene	85-01-8	10	330	10000	(20)
97.	Anthracene	120-12-7	10	330	10000	(20)
98.	Carbazole	86-74-8	10	330	10000	(20)
99.	Di-n-butylphthalate	84-74-2	10	330	10000	(20)
100.	Fluoranthene	206-44-0	10	330	10000	(20)
101.	Pyrene	129-00-0	10	330	10000	(20)
102.	Butylbenzylphthalate	85-68-7	10	330	10000	(20)
103.	3,3'-Dichlorobenzidine	91-94-1	10	330	10000	(20)
104.	Benzo(a)anthracene	56-55-3	10	330	10000	(20)
105.	Chrysene	218-01-9	10	330	10000	(20)
106.	bis(2-Ethylhexyl) phthalate	117-81-7	10	330	10000	(20)
107.	Di-n-octylphthalate	117-84-0	10	330	10000	(20)

	Semivolatiles	CAS Number	Quantitation Limits Water µg/L	Low Soil µg/Kg	Med. Soil µg/Kg	On Column (ng)
108.	Benzo(b)fluoranthene	205-99-2	10	330	10000	(20)
109.	Benzo(k)fluoranthene	207-08-9	10	330	10000	(20)
110.	Benzo(a)pyrene	50-32-8	10	330	10000	(20)
111.	Indeno(1,2,3-cd)-pyrene	193-39-5	10	330	10000	(20)
112.	Dibenzo(a,h)-anthracene	53-70-3	10	330	10000	(20)
113.	Benzo(g,h,i)perylene	191-24-2	10	330	10000	(20)

3.0PESTICIDES/AROCLORS TARGET COMPOUND LIST AND CONTRACT REQUIRED QUANTITATION LIMITS[2]

	Pesticides/Aroclors	CAS Number	Quantitation Limits Water µg/L	Soil µg/Kg	On Column (pg)
114.	alpha-BHC	319-84-60.050	1.7		5
115.	beta-BHC	319-85-70.050	1.7		5
116.	delta-BHC	319-86-80.050	1.7		5
117.	gamma-BHC (Lindane)	58-89-90.050	1.7		5
118.	Heptachlor	76-44-80.050	1.7		5
119.	Aldrin	309-00-20.050	1.7		5
120.	Heptachlor epoxide[3]	1024-57-30.050	1.7		5
121.	Endosulfan I	959-98-80.050	1.7		5
122.	Dieldrin	60-57-10.10	3.3		10
123.	4,4'-DDE	72-55-90.10	3.3		10
124.	Endrin	72-20-80.10	3.3		10
125.	Endosulfan II	33213-65-90.10	3.3		10
126.	4,4'-DDD	72-54-80.10	3.3		10
127.	Endosulfan sulfate	1031-07-80.10	3.3		10
128.	4,4'-DDT	50-29-30.10	3.3		10
129.	Methoxychlor	72-43-50.50	17		50
130.	Endrin ketone	53494-70-50.10	3.3		10
131.	Endrin aldehyde	7421-93-40.10	3.3		10
132.	alpha-Chlordane	5103-71-90.050	1.7		5
133.	gamma-Chlordane	5103-74-20.050	1.7		5
134.	Toxaphene	8001-35-25.0	170		500
135.	Aroclor-1016	12674-11-21.0	33		100
136.	Aroclor-1221	11104-28-22.0	67		200
137.	Aroclor-1232	11141-16-51.0	33		100
138.	Aroclor-1242	53469-21-91.0	33		100
139.	Aroclor-1248	12672-29-61.0	33		100
140.	Aroclor-1254	11097-69-11.0	33		100
141.	Aroclor-1260	11096-82-51.0	33		100

[2]There is no differentiation between the preparation of low and medium soil samples in this method for the analysis of pesticides/Aroclors.

[2]Only the exo-epoxy isomer (isomer B) of heptachlor epoxide is r ported on the data reporting forms (Exhibit B).

APPENDIX C

Weight Ticket (Recycled Metals Record)

LIBERTY
RECYCLING INC.
433-0129
PC EQUALS LBS
12-05-00 10:25 AM
3240
32.40PC @0.10
LT IRON
-3.24
TOTAL -3.24
CASH 0.00
A OR 10

APPENDIX D
ANALYTICAL DATA

Report of Analysis

Client Sample ID:	WSMWT-8803	**Date Sampled:**	03/20/01
Lab Sample ID:	E87768-1	**Date Received:**	03/20/01
Matrix:	AQ - Ground Water	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

T-8003

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	432	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Barium	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Calcium	15000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Chromium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Copper	660	25	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Iron	21400	100	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Lead	32.7	3.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
→ Manganese	316	15	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	03/30/01	03/30/01	RP	SW846 7470A
Nickel	<40	40	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Silver	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Sodium	6780	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Thallium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Zinc	249	20	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B

7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT-8803D	**Date Sampled:**	03/20/01
Lab Sample ID:	E87768-2	**Date Received:**	03/20/01
Matrix:	AQ - Ground Water	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

T-8003 Duplicate

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Barium	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Chromium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Copper	637	25	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Iron	19200	100	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Lead	31.8	3.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Manganese	312	15	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	03/30/01	03/30/01	RP	SW846 7470A
Nickel	<40	40	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Silver	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Sodium	6210	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Thallium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Zinc	233	20	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT-8003F		
Lab Sample ID:	E87768-3A	**Date Sampled:**	03/20/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/20/01
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Barium	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Chromium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Copper	47.9	25	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Iron	5600	100	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Manganese	299	15	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	03/30/01	03/30/01	RP	SW846 7470A
Nickel	<40	40	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Silver	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Sodium	6300	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Thallium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Zinc	121	20	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT-8002		
Lab Sample ID:	E87768-4	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S17738.D	1	03/29/01	KNV	n/a	n/a	VS588
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT-8002		
Lab Sample ID:	E87768-4	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		81-118%
17060-07-0	1,2-Dichloroethane-D4	105%		68-124%
2037-26-5	Toluene-D8	112%		85-119%
460-00-4	4-Bromofluorobenzene	110%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT-8002		
Lab Sample ID:	E87768-4	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
Method:	SW846-8015 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ14499.D	1	03/26/01		03/24/01	OP9149	GYZ434
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		45-129%
16416-32-3	Tetracosane-d50	96%		44-139%
438-22-2	5a-Androstane	79%		37-132%

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ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT-8002		
Lab Sample ID:	E87768-4	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	667	200	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Barium	<200	200	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Chromium	<10	10	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Copper	<25	25	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Iron	8350	100	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Manganese	32.2	15	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	03/30/01	03/30/01	RP	SW846 7470A
Nickel	<40	40	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Silver	<10	10	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Sodium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Thallium	<10	10	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Zinc	161	20	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT-8002D		
Lab Sample ID:	E87768-5	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S17741.D	1	03/29/01	KNV	n/a	n/a	VS588
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT-8002D		
Lab Sample ID:	E87768-5	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		81-118%
17060-07-0	1,2-Dichloroethane-D4	108%		68-124%
2037-26-5	Toluene-D8	112%		85-119%
460-00-4	4-Bromofluorobenzene	114%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT-8002D		
Lab Sample ID:	E87768-5	**Date Sampled:**	03/20/01
Matrix:	AQ - Ground Water	**Date Received:**	03/20/01
Method:	SW846-8015 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ14500.D	1	03/26/01		03/24/01	OP9149	GYZ434
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		45-129%
16416-32-3	Tetracosane-d50	107%		44-139%
438-22-2	5a-Androstane	88%		37-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT-8002F		
Lab Sample ID:	E87768-6A	**Date Sampled:**	03/20/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/20/01
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	625	200	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Barium	<200	200	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Chromium	<10	10	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Copper	<25	25	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Iron	8380	100	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Manganese	32.8	15	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	03/30/01	03/30/01	RP	SW846 7470A
Nickel	<40	40	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Silver	<10	10	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Sodium	<5000	5000	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Thallium	<10	10	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B
Zinc	162	20	ug/l	1	03/21/01	03/29/01	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT-8003DF		
Lab Sample ID:	E87768-7A	**Date Sampled:**	03/20/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/20/01
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Barium	<200	200	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Chromium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Copper	46.5	25	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Iron	5320	100	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Manganese	285	15	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	03/30/01	03/30/01	RP	SW846 7470A
Nickel	<40	40	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Silver	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Sodium	6030	5000	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Thallium	<10	10	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B
Zinc	115	20	ug/l	1	03/21/01	03/30/01	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB09		
Lab Sample ID:	E82142-1	**Date Sampled:**	12/06/00
Matrix:	SO - Soil	**Date Received:**	12/07/00
		Percent Solids:	96.7
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.55	0.55	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	2.0	1.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB10		
Lab Sample ID:	E82142-2	**Date Sampled:**	12/06/00
Matrix:	SO - Soil	**Date Received:**	12/07/00
		Percent Solids:	94.2
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.52	0.52	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	1.8	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB11		
Lab Sample ID:	E82142-3	**Date Sampled:**	12/06/00
Matrix:	SO - Soil	**Date Received:**	12/07/00
		Percent Solids:	93.1
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Cadmium	<0.53	0.53	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	3.0	1.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSTB120600		
Lab Sample ID:	E82142-4	**Date Sampled:**	12/07/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38640.D	1	12/18/00	DFT	n/a	n/a	VK1377
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTB120600		
Lab Sample ID:	E82142-4	**Date Sampled:**	12/07/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		81-122%
17060-07-0	1,2-Dichloroethane-D4	83%		69-122%
2037-26-5	Toluene-D8	106%		87-116%
460-00-4	4-Bromofluorobenzene	104%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38641.D	1	12/18/00	DFT	n/a	n/a	VK1377
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		81-122%
17060-07-0	1,2-Dichloroethane-D4	86%		69-122%
2037-26-5	Toluene-D8	107%		87-116%
460-00-4	4-Bromofluorobenzene	101%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20841.D	1	12/19/00	DSS	12/08/00	OP8748	EF1517
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	ug/l	
95-48-7	2-Methylphenol	ND	5.0	ug/l	
	3&4-Methylphenol	ND	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	20	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/l	
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
78-59-1	Isophorone	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		10-103%
4165-62-2	Phenol-d5	46%		10-97%
118-79-6	2,4,6-Tribromophenol	85%		29-133%
4165-60-0	Nitrobenzene-d5	86%		45-124%
321-60-8	2-Fluorobiphenyl	90%		44-115%
1718-51-0	Terphenyl-d14	116%		15-136%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19767.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		30-150%
877-09-8	Tetrachloro-m-xylene	116%		30-150%
2051-24-3	Decachlorobiphenyl	48%		30-150%
2051-24-3	Decachlorobiphenyl	46%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46397.D	1	12/15/00	KLS	12/10/00	OP8750	GCD1784
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		30-150%
877-09-8	Tetrachloro-m-xylene	86%		30-150%
2051-24-3	Decachlorobiphenyl	46%		30-150%
2051-24-3	Decachlorobiphenyl	40%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	5610	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	20.1	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	199	25	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Iron	35800	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	7.5	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	177	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	40.6	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Sodium	5130	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	94.7	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	1220	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSGWT8006		
Lab Sample ID:	E82142-5	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/19/00 JK	SW846 9012

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38642.D	1	12/18/00	DFT	n/a	n/a	VK1377
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		81-122%
17060-07-0	1,2-Dichloroethane-D4	83%		69-122%
2037-26-5	Toluene-D8	105%		87-116%
460-00-4	4-Bromofluorobenzene	99%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846-8015 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ13299.D	4	12/12/00	MAL	12/09/00	OP8732	GYZ403
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO	8.98	0.40	mg/l	←

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		45-129%
16416-32-3	Tetracosane-d50	114%		44-139%
438-22-2	5a-Androstane	82%		37-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20842.D	1	12/19/00	DSS	12/08/00	OP8748	EF1517
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	ug/l	
95-48-7	2-Methylphenol	ND	5.0	ug/l	
	3&4-Methylphenol	ND	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	20	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/l	
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
78-59-1	Isophorone	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-103%
4165-62-2	Phenol-d5	41%		10-97%
118-79-6	2,4,6-Tribromophenol	92%		29-133%
4165-60-0	Nitrobenzene-d5	87%		45-124%
321-60-8	2-Fluorobiphenyl	89%		44-115%
1718-51-0	Terphenyl-d14	107%		15-136%

ND = Not detected
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV2950.D	1	12/19/00	XPL	n/a	n/a	GUV442
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	97%		62-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19768.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		30-150%
877-09-8	Tetrachloro-m-xylene	86%		30-150%
2051-24-3	Decachlorobiphenyl	43%		30-150%
2051-24-3	Decachlorobiphenyl	43%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46398.D	1	12/15/00	KLS	12/10/00	OP8750	GCD1784
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		30-150%
877-09-8	Tetrachloro-m-xylene	72%		30-150%
2051-24-3	Decachlorobiphenyl	45%		30-150%
2051-24-3	Decachlorobiphenyl	47%		30-150%

ND = Not detected
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	4060	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	24.5	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	<25	25	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Iron	18500	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	39.6	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	174	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	<40	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/14/00	KL	SW846 6010B
Sodium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	292	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSGWT8002		
Lab Sample ID:	E82142-6	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/19/00 JK	SW846 9012

RL = Reporting Limit

T8002-dup

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38643.D	1	12/18/00	DFT	n/a	n/a	VK1377
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	1.7	5.0	ug/l	J

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

-T8002 Dup.

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		81-122%
17060-07-0	1,2-Dichloroethane-D4	81%		69-122%
2037-26-5	Toluene-D8	104%		87-116%
460-00-4	4-Bromofluorobenzene	106%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20843.D	1	12/19/00	DSS	12/08/00	OP8748	EF1517
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	ug/l	
95-48-7	2-Methylphenol	ND	5.0	ug/l	
	3&4-Methylphenol	ND	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	20	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/l	
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
78-59-1	Isophorone	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-103%
4165-62-2	Phenol-d5	39%		10-97%
118-79-6	2,4,6-Tribromophenol	90%		29-133%
4165-60-0	Nitrobenzene-d5	85%		45-124%
321-60-8	2-Fluorobiphenyl	88%		44-115%
1718-51-0	Terphenyl-d14	98%		15-136%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV2951.D	1	12/19/00	XPL	n/a	n/a	GUV442
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	102%		62-127%

ND = Not detected
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19769.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		30-150%
877-09-8	Tetrachloro-m-xylene	89%		30-150%
2051-24-3	Decachlorobiphenyl	51%		30-150%
2051-24-3	Decachlorobiphenyl	50%		30-150%

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Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46399.D	1	12/15/00	KLS	12/10/00	OP8750	GCD1784
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		30-150%
877-09-8	Tetrachloro-m-xylene	72%		30-150%
2051-24-3	Decachlorobiphenyl	54%		30-150%
2051-24-3	Decachlorobiphenyl	51%		30-150%

ND = Not detected
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
Method:	SW846-8015 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ13300.D	4	12/12/00	MAL	12/09/00	OP8732	GYZ403
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO	7.64	0.40	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		45-129%
16416-32-3	Tetracosane-d50	89%		44-139%
438-22-2	5a-Androstane	70%		37-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

T8002 Dup.

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	4180	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	25.2	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	<25	25	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Iron	19100	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	41.1	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	178	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	<40	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/14/00	KL	SW846 6010B
Sodium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	269	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSGWT8000		
Lab Sample ID:	E82142-7	**Date Sampled:**	12/07/00
Matrix:	AQ - Ground Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/19/00 JK	SW846 9012

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38644.D	1	12/18/00	DFT	n/a	n/a	VK1377
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		81-122%
17060-07-0	1,2-Dichloroethane-D4	88%		69-122%
2037-26-5	Toluene-D8	105%		87-116%
460-00-4	4-Bromofluorobenzene	99%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20844.D	1	12/19/00	DSS	12/08/00	OP8748	EF1517
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	ug/l	
95-48-7	2-Methylphenol	ND	5.2	ug/l	
	3&4-Methylphenol	ND	5.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	ug/l	
100-02-7	4-Nitrophenol	ND	21	ug/l	
87-86-5	Pentachlorophenol	ND	21	ug/l	
108-95-2	Phenol	ND	5.2	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	ug/l	
83-32-9	Acenaphthene	ND	2.1	ug/l	
208-96-8	Acenaphthylene	ND	2.1	ug/l	
120-12-7	Anthracene	ND	2.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	ug/l	
86-74-8	Carbazole	ND	2.1	ug/l	
218-01-9	Chrysene	ND	2.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	ug/l	

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Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.1	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	ug/l	
132-64-9	Dibenzofuran	ND	5.2	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	ug/l	
206-44-0	Fluoranthene	ND	2.1	ug/l	
86-73-7	Fluorene	ND	2.1	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	ug/l	
67-72-1	Hexachloroethane	ND	5.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	ug/l	
78-59-1	Isophorone	ND	2.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	ug/l	
91-20-3	Naphthalene	ND	2.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	ug/l	
85-01-8	Phenanthrene	ND	2.1	ug/l	
129-00-0	Pyrene	ND	2.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		10-103%
4165-62-2	Phenol-d5	40%		10-97%
118-79-6	2,4,6-Tribromophenol	79%		29-133%
4165-60-0	Nitrobenzene-d5	81%		45-124%
321-60-8	2-Fluorobiphenyl	81%		44-115%
1718-51-0	Terphenyl-d14	96%		15-136%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV2952.D	1	12/19/00	XPL	n/a	n/a	GUV442
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	100%		62-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19770.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		30-150%
877-09-8	Tetrachloro-m-xylene	91%		30-150%
2051-24-3	Decachlorobiphenyl	69%		30-150%
2051-24-3	Decachlorobiphenyl	63%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46400.D	1	12/15/00	KLS	12/10/00	OP8750	GCD1784
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		30-150%
877-09-8	Tetrachloro-m-xylene	74%		30-150%
2051-24-3	Decachlorobiphenyl	74%		30-150%
2051-24-3	Decachlorobiphenyl	68%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
Method:	SW846-8015 SW846 3510C	**Percent Solids:**	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ13290.D	1	12/12/00	MAL	12/09/00	OP8732	GYZ403
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		45-129%
16416-32-3	Tetracosane-d50	90%		44-139%
438-22-2	5a-Androstane	84%		37-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	<25	25	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Iron	<100	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	<15	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	<40	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/14/00	KL	SW846 6010B
Sodium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	<20	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSFB120700		
Lab Sample ID:	E82142-8	**Date Sampled:**	12/07/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/19/00 JK	SW846 9012

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSRSB120600		
Lab Sample ID:	E82142-9	**Date Sampled:**	12/06/00
Matrix:	AQ - Field Blank Soil	**Date Received:**	12/07/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSTB120400-TRIP BLANK		
Lab Sample ID:	E82015-1	Date Sampled:	12/04/00
Matrix:	AQ - Trip Blank Soil	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38645.D	1	12/18/00	DFT	n/a	n/a	VK1378
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTB120400-TRIP BLANK		
Lab Sample ID:	E82015-1	Date Sampled:	12/04/00
Matrix:	AQ - Trip Blank Soil	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		81-122%
17060-07-0	1,2-Dichloroethane-D4	86%		69-122%
2037-26-5	Toluene-D8	106%		87-116%
460-00-4	4-Bromofluorobenzene	95%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSAQW01		
Lab Sample ID:	E82015-2	Date Sampled:	12/04/00
Matrix:	SO - Sludge	Date Received:	12/06/00
Method:	SW846 8260B SW846 1311	Percent Solids:	81.9
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U3798.D	5	12/16/00	KNV	12/12/00	GP11485	VU121
Run #2							

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	0.0126	D018	0.50	0.025	mg/l	J
78-93-3	2-Butanone (MEK)	ND	D035	200	0.025	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.025	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.025	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.025	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.025	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.025	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.025	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.025	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		81-122%
17060-07-0	1,2-Dichloroethane-D4	108%		69-122%
2037-26-5	Toluene-D8	108%		87-116%
460-00-4	4-Bromofluorobenzene	100%		81-125%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSAQW01		
Lab Sample ID:	E82015-2	Date Sampled:	12/04/00
Matrix:	SO - Sludge	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	81.9
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M12818.D	1	12/14/00	DSS	12/13/00	OP8766	EM370
Run #2							

ABN TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.20	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.020	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		21-100%
4165-62-2	Phenol-d5	40%		10-94%
118-79-6	2,4,6-Tribromophenol	80%		10-123%
4165-60-0	Nitrobenzene-d5	74%		35-114%
321-60-8	2-Fluorobiphenyl	78%		43-116%
1718-51-0	Terphenyl-d14	91%		33-141%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSAQW01		
Lab Sample ID:	E82015-2	Date Sampled:	12/04/00
Matrix:	SO - Sludge	Date Received:	12/06/00
Method:	SW846 8151 SW846 3510C	Percent Solids:	81.9
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF30824.D	1	12/15/00	LAG	12/13/00	OP8767	GEF1771
Run #2							

Herbicide TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.020	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	89%		40-150%
19719-28-9	2,4-DCAA	101%		40-150%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSAQW01		
Lab Sample ID:	E82015-2	Date Sampled:	12/04/00
Matrix:	SO - Sludge	Date Received:	12/06/00
Method:	SW846 8081A SW846 3510C	Percent Solids:	81.9
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19688.D	1	12/22/00	KLS	12/13/00	OP8776	GWW582
Run #2							

Pesticide TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00050	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		30-150%
877-09-8	Tetrachloro-m-xylene	103%		30-150%
2051-24-3	Decachlorobiphenyl	114%		30-150%
2051-24-3	Decachlorobiphenyl	108%		30-150%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSAQW01		
Lab Sample ID:	E82015-2	Date Sampled:	12/04/00
Matrix:	SO - Sludge	Date Received:	12/06/00
		Percent Solids:	81.9
Project:	NWS Earle - Wayside		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	12/13/00	12/22/00	KL	SW846 6010B
Barium	<1.0	D005	100	1.0	mg/l	1	12/13/00	12/22/00	KL	SW846 6010B
Cadmium	0.0076	D006	1.0	0.0050	mg/l	1	12/13/00	12/22/00	KL	SW846 6010B
Chromium	<0.010	D007	5.0	0.010	mg/l	1	12/13/00	12/22/00	KL	SW846 6010B
Lead	<0.50	D008	5.0	0.50	mg/l	1	12/13/00	12/21/00	NMC	SW846 6010B
Mercury	<0.00020	D009	0.20	0.00020	mg/l	1	12/22/00	12/22/00	MLC	SW846 7470A
Selenium	<0.50	D010	1.0	0.50	mg/l	1	12/13/00	12/21/00	NMC	SW846 6010B
Silver	<0.010	D011	5.0	0.010	mg/l	1	12/13/00	12/21/00	NMC	SW846 6010B

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G32889.D	1	12/12/00	SJM	n/a	n/a	VG1508
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.2	ug/kg	
71-43-2	Benzene	ND	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	ug/kg	
75-25-2	Bromoform	ND	5.2	ug/kg	
74-83-9	Bromomethane	ND	5.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	ug/kg	
75-00-3	Chloroethane	ND	5.2	ug/kg	
67-66-3	Chloroform	ND	5.2	ug/kg	
74-87-3	Chloromethane	ND	5.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	ug/kg	
591-78-6	2-Hexanone	ND	5.2	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	ug/kg	
75-09-2	Methylene chloride [a]	1.5	5.2	ug/kg	J
100-42-5	Styrene	ND	5.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	ug/kg	
108-88-3	Toluene	ND	5.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	ug/kg	
79-01-6	Trichloroethene	ND	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	ug/kg	
1330-20-7	Xylene (total)	ND	5.2	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		63-126%
17060-07-0	1,2-Dichloroethane-D4	91%		57-125%
2037-26-5	Toluene-D8	94%		71-126%
460-00-4	4-Bromofluorobenzene	94%		63-132%

(a) Possible laboratory contamination.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B40724.D	1	12/19/00	DSS	12/11/00	OP8759	EB888
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	180	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	ug/kg	
95-48-7	2-Methylphenol	ND	180	ug/kg	
	3&4-Methylphenol	ND	180	ug/kg	
88-75-5	2-Nitrophenol	ND	180	ug/kg	
100-02-7	4-Nitrophenol	ND	710	ug/kg	
87-86-5	Pentachlorophenol	ND	710	ug/kg	
108-95-2	Phenol	ND	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	ug/kg	
83-32-9	Acenaphthene	ND	71	ug/kg	
208-96-8	Acenaphthylene	ND	71	ug/kg	
120-12-7	Anthracene	ND	71	ug/kg	
56-55-3	Benzo(a)anthracene	ND	71	ug/kg	
50-32-8	Benzo(a)pyrene	ND	71	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	71	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	71	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	71	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	ug/kg	
106-47-8	4-Chloroaniline	ND	180	ug/kg	
86-74-8	Carbazole	ND	71	ug/kg	
218-01-9	Chrysene	ND	71	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	71	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	71	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	71	ug/kg	
132-64-9	Dibenzofuran	ND	71	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	ug/kg	
84-66-2	Diethyl phthalate	ND	71	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	ug/kg	
206-44-0	Fluoranthene	ND	71	ug/kg	
86-73-7	Fluorene	ND	71	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	ug/kg	
87-68-3	Hexachlorobutadiene	ND	71	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	ug/kg	
67-72-1	Hexachloroethane	ND	180	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	71	ug/kg	
78-59-1	Isophorone	ND	71	ug/kg	
91-57-6	2-Methylnaphthalene	ND	71	ug/kg	
88-74-4	2-Nitroaniline	ND	180	ug/kg	
99-09-2	3-Nitroaniline	ND	180	ug/kg	
100-01-6	4-Nitroaniline	ND	180	ug/kg	
91-20-3	Naphthalene	ND	71	ug/kg	
98-95-3	Nitrobenzene	ND	71	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	ug/kg	
85-01-8	Phenanthrene	ND	71	ug/kg	
129-00-0	Pyrene	ND	71	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		25-121%
4165-62-2	Phenol-d5	70%		24-113%
118-79-6	2,4,6-Tribromophenol	70%		19-122%
4165-60-0	Nitrobenzene-d5	68%		23-120%
321-60-8	2-Fluorobiphenyl	69%		30-115%
1718-51-0	Terphenyl-d14	86%		18-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8081A SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19752.D	1	12/24/00	KLS	12/08/00	OP8664	GWW584
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.70	ug/kg	
319-84-6	alpha-BHC	ND	0.70	ug/kg	
319-85-7	beta-BHC	ND	0.70	ug/kg	
319-86-8	delta-BHC	ND	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	ug/kg	
60-57-1	Dieldrin	ND	0.70	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	ug/kg	
50-29-3	4,4'-DDT	ND	0.70	ug/kg	
72-20-8	Endrin	ND	0.70	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	ug/kg	
76-44-8	Heptachlor	ND	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	ug/kg	
72-43-5	Methoxychlor	ND	1.8	ug/kg	
53494-70-5	Endrin ketone	ND	1.8	ug/kg	
8001-35-2	Toxaphene	ND	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		30-150%
877-09-8	Tetrachloro-m-xylene	87%		30-150%
2051-24-3	Decachlorobiphenyl	85%		30-150%
2051-24-3	Decachlorobiphenyl	86%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8082 SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46294.D	1	12/11/00	KLS	12/08/00	OP8754	GCD1780
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	18	ug/kg	
11104-28-2	Aroclor 1221	ND	18	ug/kg	
11141-16-5	Aroclor 1232	ND	18	ug/kg	
53469-21-9	Aroclor 1242	ND	18	ug/kg	
12672-29-6	Aroclor 1248	ND	18	ug/kg	
11097-69-1	Aroclor 1254	ND	18	ug/kg	
11096-82-5	Aroclor 1260	ND	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		30-150%
877-09-8	Tetrachloro-m-xylene	72%		30-150%
2051-24-3	Decachlorobiphenyl	103%		30-150%
2051-24-3	Decachlorobiphenyl	95%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	95.6
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	1700	19	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Antimony	<1.0	1.0	mg/kg	1	12/15/00	12/19/00	KL	SW846 6010B
Arsenic	<0.95	0.95	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Barium	<19	19	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Beryllium	<0.48	0.48	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Cadmium	<0.48	0.48	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Calcium	<480	480	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Chromium	7.6	0.95	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Cobalt	<4.8	4.8	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Copper	<2.4	2.4	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Iron	3200	9.5	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	1.6	0.95	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Magnesium	<480	480	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Manganese	7.4	1.4	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Mercury	<0.034	0.034	mg/kg	1	12/21/00	12/21/00	MLC	SW846 7471A
Nickel	<3.8	3.8	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Potassium	<480	480	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Selenium	<0.95	0.95	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Silver	<0.95	0.95	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Sodium	<480	480	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Thallium	<0.95	0.95	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Vanadium	6.9	4.8	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Zinc	3.2	1.9	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSTP01		
Lab Sample ID:	E82015-3	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	95.6
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By		Method
Cyanide	<1.0	1.0	mg/kg	1	12/13/00	JK	SW846 9012 M
Solids, Percent	95.6		%	1	12/12/00	NSD	ASTM 4643-93

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G32890.D	1	12/12/00	SJM	n/a	n/a	VG1508
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/kg	
71-43-2	Benzene	ND	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
74-83-9	Bromomethane	ND	5.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	5.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/kg	
75-09-2	Methylene chloride [a]	1.9	5.0	ug/kg	J
100-42-5	Styrene	ND	5.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/kg	
79-01-6	Trichloroethene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	ug/kg	
1330-20-7	Xylene (total)	ND	5.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		63-126%
17060-07-0	1,2-Dichloroethane-D4	85%		57-125%
2037-26-5	Toluene-D8	102%		71-126%
460-00-4	4-Bromofluorobenzene	100%		63-132%

(a) Possible laboratory contamination.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M12721.D	1	12/11/00	DSS	12/07/00	OP8730	EM367
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	ug/kg	
95-48-7	2-Methylphenol	ND	170	ug/kg	
	3&4-Methylphenol	ND	170	ug/kg	
88-75-5	2-Nitrophenol	ND	170	ug/kg	
100-02-7	4-Nitrophenol	ND	690	ug/kg	
87-86-5	Pentachlorophenol	ND	690	ug/kg	
108-95-2	Phenol	ND	170	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	ug/kg	
83-32-9	Acenaphthene	ND	69	ug/kg	
208-96-8	Acenaphthylene	ND	69	ug/kg	
120-12-7	Anthracene	ND	69	ug/kg	
56-55-3	Benzo(a)anthracene	ND	69	ug/kg	
50-32-8	Benzo(a)pyrene	ND	69	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	69	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	69	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	69	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	ug/kg	
106-47-8	4-Chloroaniline	ND	170	ug/kg	
86-74-8	Carbazole	ND	69	ug/kg	
218-01-9	Chrysene	ND	69	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	69	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8270C SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	69	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	69	ug/kg	
132-64-9	Dibenzofuran	ND	69	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	ug/kg	
84-66-2	Diethyl phthalate	ND	69	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	ug/kg	
206-44-0	Fluoranthene	ND	69	ug/kg	
86-73-7	Fluorene	ND	69	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	ug/kg	
87-68-3	Hexachlorobutadiene	ND	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	ug/kg	
67-72-1	Hexachloroethane	ND	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	69	ug/kg	
78-59-1	Isophorone	ND	69	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	ug/kg	
88-74-4	2-Nitroaniline	ND	170	ug/kg	
99-09-2	3-Nitroaniline	ND	170	ug/kg	
100-01-6	4-Nitroaniline	ND	170	ug/kg	
91-20-3	Naphthalene	ND	69	ug/kg	
98-95-3	Nitrobenzene	ND	69	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	ug/kg	
85-01-8	Phenanthrene	ND	69	ug/kg	
129-00-0	Pyrene	ND	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		25-121%
4165-62-2	Phenol-d5	68%		24-113%
118-79-6	2,4,6-Tribromophenol	63%		19-122%
4165-60-0	Nitrobenzene-d5	65%		23-120%
321-60-8	2-Fluorobiphenyl	65%		30-115%
1718-51-0	Terphenyl-d14	81%		18-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8081A SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19483.D	1	12/16/00	LAG	12/08/00	OP8682	GWW577
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.68	ug/kg	
319-84-6	alpha-BHC	ND	0.68	ug/kg	
319-85-7	beta-BHC	ND	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.68	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	ug/kg	
60-57-1	Dieldrin	ND	0.68	ug/kg	
72-54-8	4,4'-DDD	ND	0.68	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	ug/kg	
50-29-3	4,4'-DDT	ND	0.68	ug/kg	
72-20-8	Endrin	ND	0.68	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	ug/kg	
76-44-8	Heptachlor	ND	0.68	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	ug/kg	
72-43-5	Methoxychlor	ND	1.7	ug/kg	
53494-70-5	Endrin ketone	ND	1.7	ug/kg	
8001-35-2	Toxaphene	ND	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		30-150%
877-09-8	Tetrachloro-m-xylene	70%		30-150%
2051-24-3	Decachlorobiphenyl	70%		30-150%
2051-24-3	Decachlorobiphenyl	70%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
Method:	SW846 8082 SW846 3550B	Percent Solids:	95.6
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46258.D	1	12/09/00	KLS	12/08/00	OP8731	GCD1778
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	17	ug/kg	
11104-28-2	Aroclor 1221	ND	17	ug/kg	
11141-16-5	Aroclor 1232	ND	17	ug/kg	
53469-21-9	Aroclor 1242	ND	17	ug/kg	
12672-29-6	Aroclor 1248	ND	17	ug/kg	
11097-69-1	Aroclor 1254	ND	17	ug/kg	
11096-82-5	Aroclor 1260	ND	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		30-150%
877-09-8	Tetrachloro-m-xylene	67%		30-150%
2051-24-3	Decachlorobiphenyl	107%		30-150%
2051-24-3	Decachlorobiphenyl	102%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	95.6
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	1490	21	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Antimony	<1.0	1.0	mg/kg	1	12/15/00	12/19/00	KL	SW846 6010B
Arsenic	<1.0	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Barium	<21	21	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Beryllium	<0.52	0.52	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Cadmium	<0.52	0.52	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Calcium	<520	520	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Chromium	7.0	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Cobalt	<5.2	5.2	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Copper	<2.6	2.6	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Iron	3110	10	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	1.7	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Magnesium	<520	520	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Manganese	6.8	1.6	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Mercury	<0.033	0.033	mg/kg	1	12/21/00	12/21/00	MLC	SW846 7471A
Nickel	<4.1	4.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Potassium	<520	520	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Selenium	<1.0	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Silver	<1.0	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Sodium	<520	520	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Thallium	<1.0	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Vanadium	6.7	5.2	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Zinc	2.8	2.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSTP01A		
Lab Sample ID:	E82015-4	Date Sampled:	12/04/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	95.6
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By		Method
Cyanide	<1.0	1.0	mg/kg	1	12/13/00	JK	SW846 9012 M
Solids, Percent	95.6		%	1	12/12/00	NSD	ASTM 4643-93

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38688.D	1	12/19/00	DFT	n/a	n/a	VK1380
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		81-122%
17060-07-0	1,2-Dichloroethane-D4	86%		69-122%
2037-26-5	Toluene-D8	106%		87-116%
460-00-4	4-Bromofluorobenzene	100%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20797.D	1	12/18/00	DSS	12/08/00	OP8748	EF1516
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	ug/l	
95-48-7	2-Methylphenol	ND	5.0	ug/l	
	3&4-Methylphenol	ND	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	20	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/l	
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
78-59-1	Isophorone	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-103%
4165-62-2	Phenol-d5	25%		10-97%
118-79-6	2,4,6-Tribromophenol	74%		29-133%
4165-60-0	Nitrobenzene-d5	80%		45-124%
321-60-8	2-Fluorobiphenyl	71%		44-115%
1718-51-0	Terphenyl-d14	58%		15-136%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8081A SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19764.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		30-150%
877-09-8	Tetrachloro-m-xylene	88%		30-150%
2051-24-3	Decachlorobiphenyl	34%		30-150%
2051-24-3	Decachlorobiphenyl	29% [a]		30-150%

(a) Outside the QC limits.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8082 SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46300.D	1	12/11/00	KLS	12/10/00	OP8750	GCD1780
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		30-150%
877-09-8	Tetrachloro-m-xylene	63%		30-150%
2051-24-3	Decachlorobiphenyl	36%		30-150%
2051-24-3	Decachlorobiphenyl	32%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	514	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony [a]	<15	15	ug/l	3	12/12/00	12/14/00	KL	SW846 6010B
Arsenic	12.8	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	9.7	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	36.1	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	33000	75	ug/l	3	12/12/00	12/14/00	KL	SW846 6010B
Iron	372000	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	2630	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	248	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	<40	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Sodium	7360	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	1260	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

(a) Elevated detection limit due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSMWT8003		
Lab Sample ID:	E82015-5	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/13/00 JK	SW846 9012

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38654.D	1	12/18/00	DFT	n/a	n/a	VK1378
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		81-122%
17060-07-0	1,2-Dichloroethane-D4	87%		69-122%
2037-26-5	Toluene-D8	105%		87-116%
460-00-4	4-Bromofluorobenzene	98%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20839.D	1	12/19/00	DSS	12/08/00	OP8748	EF1517
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	ug/l	
95-48-7	2-Methylphenol	ND	5.0	ug/l	
	3&4-Methylphenol	ND	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	20	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/l	
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
78-59-1	Isophorone	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-103%
4165-62-2	Phenol-d5	24%		10-97%
118-79-6	2,4,6-Tribromophenol	74%		29-133%
4165-60-0	Nitrobenzene-d5	74%		45-124%
321-60-8	2-Fluorobiphenyl	78%		44-115%
1718-51-0	Terphenyl-d14	75%		15-136%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8081A SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19765.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		30-150%
877-09-8	Tetrachloro-m-xylene	98%		30-150%
2051-24-3	Decachlorobiphenyl	62%		30-150%
2051-24-3	Decachlorobiphenyl	56%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
Method:	SW846 8082 SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46301.D	1	12/11/00	KLS	12/10/00	OP8750	GCD1780
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		30-150%
877-09-8	Tetrachloro-m-xylene	73%		30-150%
2051-24-3	Decachlorobiphenyl	61%		30-150%
2051-24-3	Decachlorobiphenyl	217% [a]		30-150%

(a) Outside control limits due to matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	4320	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	75.7	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	<25	25	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Iron	8450	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	5.5	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	8000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	51.4	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	<40	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Sodium	32000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	62.7	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	47.5	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSBGG01		
Lab Sample ID:	E82015-6	Date Sampled:	12/05/00
Matrix:	AQ - Ground Water	Date Received:	12/06/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/13/00 JK	SW846 9012

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38655.D	1	12/18/00	DFT	n/a	n/a	VK1378
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		81-122%
17060-07-0	1,2-Dichloroethane-D4	84%		69-122%
2037-26-5	Toluene-D8	104%		87-116%
460-00-4	4-Bromofluorobenzene	95%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20840.D	1	12/19/00	DSS	12/08/00	OP8748	EF1517
Run #2							

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	ug/l	
95-48-7	2-Methylphenol	ND	5.0	ug/l	
	3&4-Methylphenol	ND	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	20	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/l	
83-32-9	Acenaphthene	ND	2.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	ug/l	
86-74-8	Carbazole	ND	2.0	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

ABN TCL List

CAS No.	Compound	Result	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	ug/l	
78-59-1	Isophorone	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		10-103%
4165-62-2	Phenol-d5	21%		10-97%
118-79-6	2,4,6-Tribromophenol	62%		29-133%
4165-60-0	Nitrobenzene-d5	68%		45-124%
321-60-8	2-Fluorobiphenyl	67%		44-115%
1718-51-0	Terphenyl-d14	84%		15-136%

ND = Not detected
RL = Reporting Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
Method:	SW846 8081A SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW19766.D	1	12/26/00	KLS	12/10/00	OP8749	GWW585
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.020	ug/l	
319-84-6	alpha-BHC	ND	0.020	ug/l	
319-85-7	beta-BHC	ND	0.020	ug/l	
319-86-8	delta-BHC	ND	0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	ug/l	
60-57-1	Dieldrin	ND	0.020	ug/l	
72-54-8	4,4'-DDD	ND	0.020	ug/l	
72-55-9	4,4'-DDE	ND	0.020	ug/l	
50-29-3	4,4'-DDT	ND	0.020	ug/l	
72-20-8	Endrin	ND	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	ug/l	
959-98-8	Endosulfan-I	ND	0.020	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	ug/l	
76-44-8	Heptachlor	ND	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	ug/l	
72-43-5	Methoxychlor	ND	0.050	ug/l	
8001-35-2	Toxaphene	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		30-150%
877-09-8	Tetrachloro-m-xylene	99%		30-150%
2051-24-3	Decachlorobiphenyl	56%		30-150%
2051-24-3	Decachlorobiphenyl	50%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
Method:	SW846 8082 SW846 3510C	Percent Solids:	n/a
Project:	NWS Earle - Wayside		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD46302.D	1	12/11/00	KLS	12/10/00	OP8750	GCD1780
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		30-150%
877-09-8	Tetrachloro-m-xylene	73%		30-150%
2051-24-3	Decachlorobiphenyl	55%		30-150%
2051-24-3	Decachlorobiphenyl	56%		30-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Antimony	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Arsenic	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Barium	<200	200	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Beryllium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cadmium	<4.0	4.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Calcium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Chromium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Cobalt	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Copper	<25	25	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Iron	<100	100	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Lead	<3.0	3.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Magnesium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Manganese	<15	15	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Mercury	<0.20	0.20	ug/l	1	12/26/00	12/26/00	MLC	SW846 7470A
Nickel	<40	40	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Potassium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Silver	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Sodium	<5000	5000	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Thallium	<10	10	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Vanadium	<50	50	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B
Zinc	<20	20	ug/l	1	12/12/00	12/13/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSFB120500		
Lab Sample ID:	E82015-7	Date Sampled:	12/05/00
Matrix:	AQ - Field Blank Water	Date Received:	12/06/00
		Percent Solids:	n/a
Project:	NWS Earle - Wayside		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.010	mg/l	1	12/13/00 JK	SW846 9012

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB01		
Lab Sample ID:	E82015-8	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	91.8
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.53	0.53	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	5.0	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB02		
Lab Sample ID:	E82015-9	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	90.4
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.57	0.57	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	3.4	1.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB03		
Lab Sample ID:	E82015-10	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	95.3
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.45	0.45	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	1.8	0.90	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB04		
Lab Sample ID:	E82015-11	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	90.3
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.52	0.52	mg/kg	1	12/12/00	12/26/00	KL	SW846 6010B
Lead	3.1	1.0	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB05		
Lab Sample ID:	E82015-12	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	92.4
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.55	0.55	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	4.1	1.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB06		
Lab Sample ID:	E82015-13	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	93.0
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.55	0.55	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	2.7	1.1	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB07		
Lab Sample ID:	E82015-14	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	87.0
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.60	0.60	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	6.1	1.2	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WSSB08		
Lab Sample ID:	E82015-15	Date Sampled:	12/05/00
Matrix:	SO - Soil	Date Received:	12/06/00
		Percent Solids:	84.9
Project:	NWS Earle - Wayside		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Cadmium	<0.61	0.61	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B
Lead	5.5	1.2	mg/kg	1	12/12/00	12/14/00	KL	SW846 6010B

RL = Reporting Limit

APPENDIX E
SOIL SAMPLE LOG SHEETS

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other _____

Project Site Name: Earle

Project Site Number: 7695

Source Number: WSSB01

Source Location: T-8003

Sample Method: Hand Auger

Depth Sampled: 2-2.5' BGS

Sample Date & Time: 12/5/00 1430

Sampled by: D.O. & W.P.

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

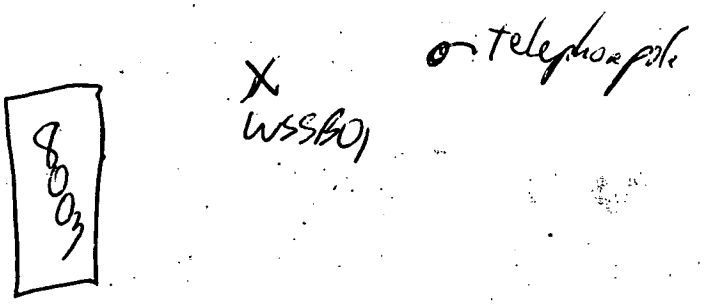
- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	DRY UNCONSOLIDATED MEDIUM GRAINED SANDS

Analysis	Preservative:
[ ] TCL VOAs	dark, 4°C
[ ] TCL SVOAs	dark, 4°C
[ ] TCL Pest/PCBs	dark, 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
X Lead + Cadmium	4°C

Sample Location Map



Observations and Notes

- [ ] Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other _____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB02

Source Location: T-8003

Sample Method: Hand Auger

Depth Sampled: 3-3.5' BGS

Sample Date & Time: 12/5/00 1438

Sampled by: DDs WP

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

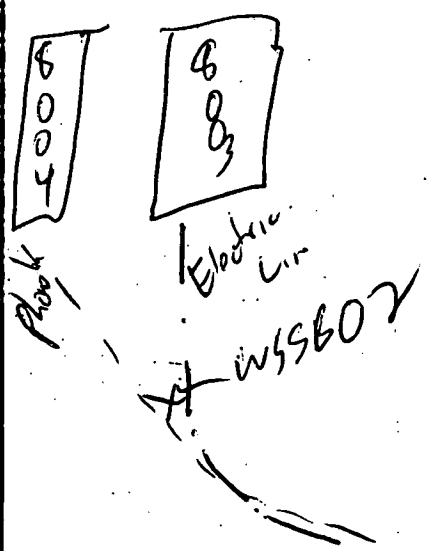
Analysis	Preservative:
[ ] TCL VOAs	dark. 4°C
[ ] TCL SVOAs	dark. 4°C
[ ] TCL Pest/PCBs	dark. 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
X Lead + Cadmium	4°C

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	DRY UNCONSOLIDATED MEDIUM GRAINED SAND W/ INTERMITTENT SANDSTONE

Sample Location Map

PEBBLES (ROUNDED)



Observations and Notes

- [ ] Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other _____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB 03

Source Location: Range Field

Sample Method: Hand Auger

Depth Sampled: 3-3.5' BGS

Sample Date & Time: 12/5/00 1500

Sampled by: O.D. + WP.

Signature(s):

Sample Type

- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

Analysis	Preservative:
[ ] TCL VOAs	dark, 4°C
[ ] TCL SVOAs	dark, 4°C
[ ] TCL Pest/PCBs	dark, 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
Lead + Cadmium	4°C

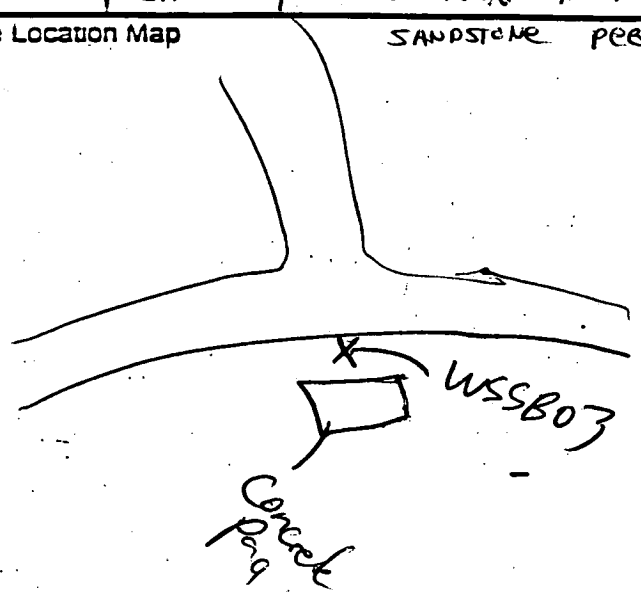
Composite Sample Data

Sample	Time	Color and Description

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	MOIST MEDIUM-GRAIN SILICEOUS SANDS W/ INTERMITTENT ROUNDED SANDSTONE PEBBLES

Sample Location Map



Observations and Notes

- [ ] Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other _____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB04

Source Location: Range

Sample Method: Hand Auger

Depth Sampled: 3-3.5' BGS

Sample Date & Time: 12/5/00 1509

Sampled by: D.D. + W.P.

Signature(s):

Sample Type

- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

Analysis	Preservative:
[ ] TCL VOAs	dark, 4°C
[ ] TCL SVOAs	dark, 4°C
[ ] TCL Pest/PCBs	dark, 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
Lead + Cadmium	4°C

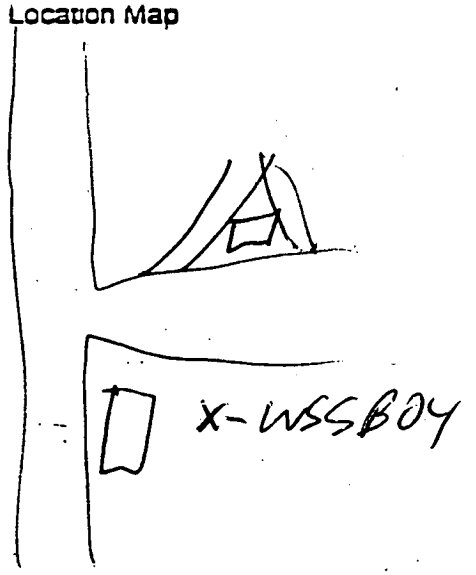
Composite Sample Data

Sample	Time	Color and Description

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	MOIST MEDIUM-GRAINED SILICEOUS SANDS w/ INTERMITTENT ROUNDED SANDSTONE PEBBLES.

Sample Location Map



Observations and Notes

- [ ] Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☐ Sediment
- ☐ Lagoon/Pond
- ☐ Other _____

Project Site Name: NWSEarle

Project Site Number: 7695

Source Number: WSSB05+06

Source Location: Range

Sample Method: Hand Auger

Depth Sampled: 3-

Sample Date & Time: 12/5/00 1515

Sampled by: D.D. & WP.

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

- ☒ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	MOIST MEDIUM-GRAINED SILICEOUS SANDS W/ INTERMITTENT ROUNDED SANDSTONE PEBBLES

Analysis	Preservative:
☐ TCL VOAs	dark, 4°C
☐ TCL SVOAs	dark, 4°C
☐ TCL Pest/PCBs	dark, 4°C
☐ TAL Metals	4°C
☐ Cyanide	4°C
Lead & Cadmium	4°C

Sample Location Map

Observations and Notes

☒ Duplicate sample taken:
WSSB06
Assigned Time 1521

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other_____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB07

Source Location: T8002 – T8006 Rd.

Sample Method: Hand Auger

Depth Sampled: 3-3.5' BGS

Sample Date & Time: 12/5/00 1533

Sampled by: D.D. + WP

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

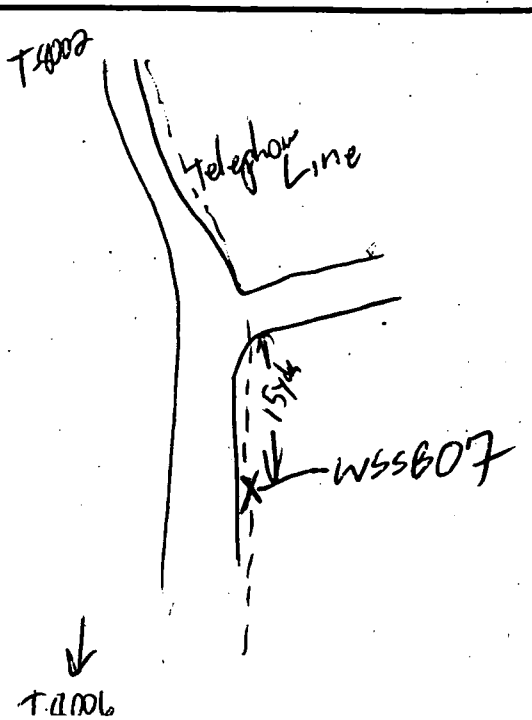
- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)

Analysis	Preservative:
[ ] TCL VOAs	dark, 4°C
[ ] TCL SVOAs	dark, 4°C
[ ] TCL Pest/PCBs	dark, 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
Lead + Cadmium	

Sample Location Map



Observations and Notes

- [ ] Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other _____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB 08

Source Location: T-8006 → T8002 Rd.

Sample Method: Hand Auger

Depth Sampled: 3-3.5' BGS

Sample Date & Time: 12/5/00 1542

Sampled by: D.D. + W.P.

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

Sample Data

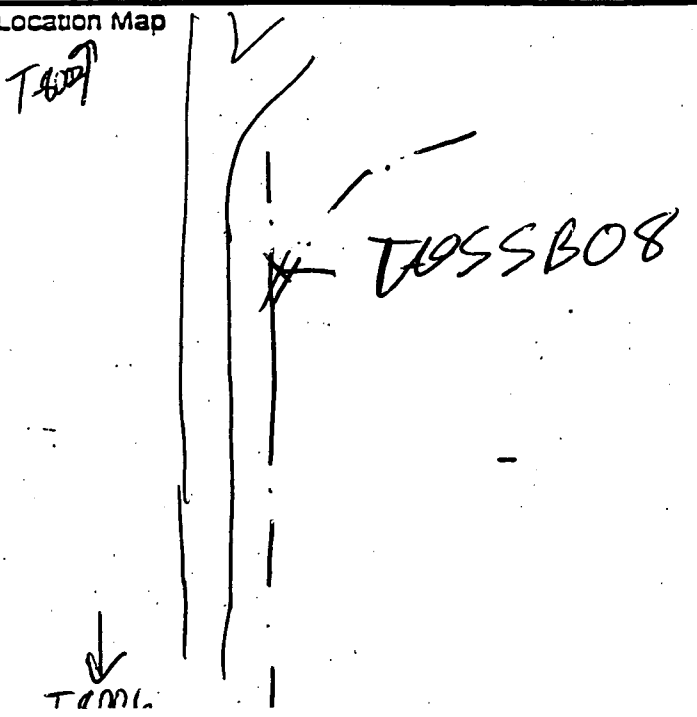
Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)

Analysis	Preservative:
[ ] TCL VOAs	dark, 4°C
[ ] TCL SVOAs	dark, 4°C
[ ] TCL Pest/PCBs	dark, 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
Lead + Cadmium	4°C

Observations and Notes

- [ ] Duplicate sample taken

Sample Location Map



SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- ☐ Surface Soil
- ☒ Subsurface Soil
- ☐ Sediment
- ☐ Lagoon/Pond
- ☐ Other _____

Project Site Name: NWSEarle

Project Site Number: 7695

Source Number: WSSB09

Source Location: _____

Sample Method: Hand Auger

Depth Sampled: 3-3.5 ft BGS

Sample Date & Time: 12/6/00 1000

Sampled by: DD + WP.

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

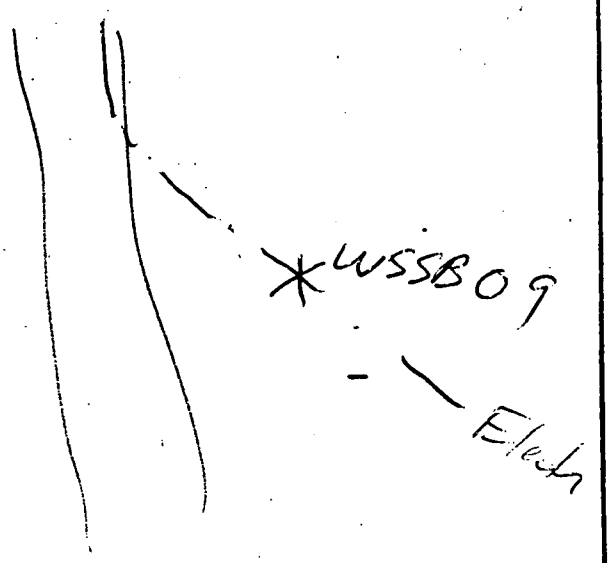
- ☒ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Analysis	Preservative:
☐ TCL VOAs	dark, 4°C
☐ TCL SVOAs	dark, 4°C
☐ TCL Pest/PCBs	dark, 4°C
☐ TAL Metals	4°C
☐ Cyanide	4°C
Lead + Cadmium	

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	MOIST, MEDIUM-GRAINED UNCONSOLIDATED SILICEOUS SANDS W/ INTERMITTENT ROUNDED SS PEBBLES

Sample Location Map



Observations and Notes

☐ Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- ☐ Surface Soil
- ☐ Subsurface Soil
- ☐ Sediment
- ☐ Lagoon/Pond
- ☐ Other _____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB10

Source Location: _____

Sample Method: Hand Auger

Depth Sampled: 3-3.5ft BGS

Sample Date & Time: 12/6/00 1009

Sampled by: D.D + W.P.

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

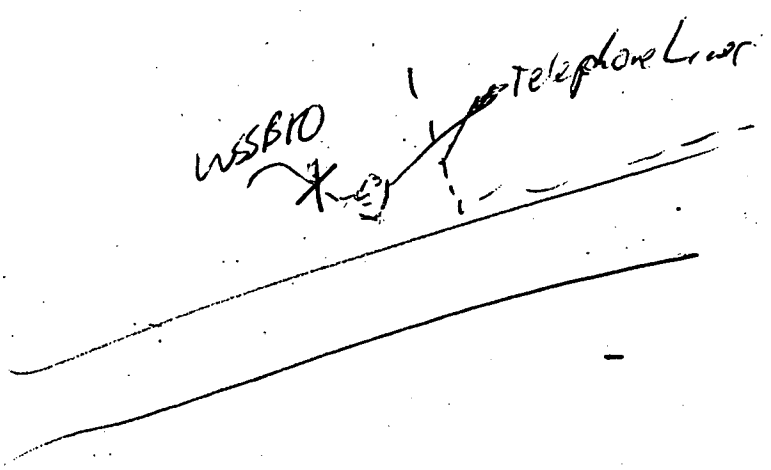
- ☒ Low Concentration
- ☐ High Concentration
- ☒ Grab
- ☐ Composite
- ☐ Grab - Composite

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	MOIST, MEDIUM-GRAINED UNCONSOLIDATED SILICEOUS SANDS w/ INTERMITTENT ROUNDED SS PEBBLES

Analysis	Preservative:
☐ TCL VOAs	dark, 4°C
☐ TCL SVOAs	dark, 4°C
☐ TCL Pest/PCBs	dark, 4°C
☐ TAL Metals	4°C
☐ Cyanide	4°C
Lead + Cadmium	

Sample Location Map



Observations and Notes

☐ Duplicate sample taken

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET

TETRA TECH NUS, INC.

- [ ] Surface Soil
- [ ] Subsurface Soil
- [ ] Sediment
- [ ] Lagoon/Pond
- [ ] Other _____

Project Site Name: NWS Earle

Project Site Number: 7695

Source Number: WSSB11

Source Location: _____

Sample Method: Hand Auger

Depth Sampled: 3-3.5' BGS

Sample Date & Time: 12/6/00 1018

Sampled by: D.D + W.P.

Signature(s):

Composite Sample Data

Sample	Time	Color and Description

Sample Type

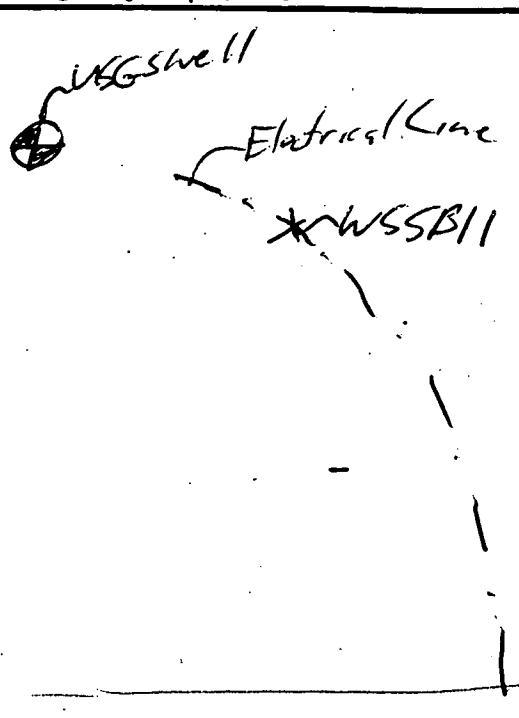
- [x] Low Concentration
- [ ] High Concentration
- [x] Grab
- [ ] Composite
- [ ] Grab - Composite

Analysis	Preservative:
[ ] TCL VOAs	dark, 4°C
[ ] TCL SVOAs	dark, 4°C
[ ] TCL Pest/PCBs	dark, 4°C
[ ] TAL Metals	4°C
[ ] Cyanide	4°C
Lead + Cadmium	

Sample Data

Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
BROWN	MOIST, MEDIUM-GRAINED SILICEOUS SANDS W/ INTERMITTENT ROUNDED SS PEBBLES

Sample Location Map



Observations and Notes

- [ ] Duplicate sample taken

APPENDIX F
GROUNDWATER SAMPLE LOG SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWS Earle
Project No.:

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: USGS 250353
Sample Location: USGS 250353
Sampled By: VS/LM
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1/17/01	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	NA
Time: 1031								
Method: Rediflow Pump	Lt Brown	8.5	0.144	11.3	46.6	0.55	-331	–

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1/17/01								
Method: Rediflow Pump								
Monitor Reading (ppm): 0.0			See	Low Flow	Data	Sheet		
Well Casing Diameter & Material								
Type: 4"								
Total Well Depth (TD): 327.00								
Static Water Level (WL): 125.12								
One Casing Volume(gal/L):								
Start Purge (hrs): 0945								
End Purge (hrs): 1030								
Total Purge Time (min): 45								
Total Vol. Purged (gal/L): 7.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOA	HCl	40 ml VOA vial	12
TCL SVOA	4°C	1 Liter Amber Glass	8
TCL Pest/PCB	4°C	1 Liter Amber Glass	8
TAL Metal	HNO3	1 Liter Poly	4
Cyanide	NaOH	250 ml Poly	4

OBSERVATIONS / NOTES:

USGS uses the well to monitor GW levels for the area the unit had to be removed prior to installing the pump

Circle if Applicable:

MS/MSD

Duplicat ID No.: USGS 250335
Assigned time 1204

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle

PROJECT NUMBER:

WELL ID.: USGS 250353

DATE: 1/17/01

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
0945	125.12	400	6.6	0.170	14.0	8.01	7.3	63	
0950	125.78	400	7.5	0.150	52.2	1.98	9.6	-194	
0955	125.79	400	8.2	0.143	51.3	0.99	10.6	-260	
1000	125.88	400	8.4	0.141	49.4	0.78	10.9	-290	
1005	126.01	400	8.4	0.140	49.6	0.70	10.8	-300	
1010	126.09	400	8.5	0.139	49.8	0.64	11.0	-306	
1015	126.11	400	8.5	0.139	49.9	0.62	11.2	-316	
1020	126.17	400	8.5	0.142	49.5	0.57	11.4	-326	
1025	126.13	400	8.5	0.145	47.8	0.56	11.8	-330	
1030	126.14	400	8.5	0.144	46.6	0.55	11.3	-331	

SIGNATURE(S): [illegible]

etra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWS Earle
Project No.: 7695

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type:
[] QA Sample Type:

Sample ID No.: WSBG601
Sample Location:
Sampled By: D.D. + WP.
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	Salinity %	Other ~~NA~~ ORP
Date: 12/5/00								
Time: 1225								
Method: Submersible Pump		4.77	.258	17.19	990	11.31	—	174

PURGE DATA:

Date:	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SEE LOW FLO W PURGE DATA SHEET

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle

PROJECT NUMBER: 7695

WELL ID.: WS~~MW-80~~ BGG01

DATE: 12/5/00

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
1155	21.6	250	4.75	0.247	990	12.66	14.82	184	
1200		250	4.70	0.256	990	12.34	15.13	185	
1205	21.6	250	4.70	0.257	990	12.29	15.69	184	
1210	21.6	220	4.72	0.251	990	11.15	16.23	183	
1215	21.6	220	4.57	0.251	990	11.14	17.46	179	
1220	21.6	220	4.77	0.258	990	11.31	17.19	174	

SIGNATURE(S): _____

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWS Earle
Project No.: CTO 300

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: WS-MW-T-8002
Sample Location: T-8002
Sampled By: CM
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	TBD
Date: 3/20/01	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	
Time: 1340								
Method: Grundfos Pump	clear	4.96	0.078	11.9	15.0	1.17		

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Date: 3/20/01								
Method: Grundfos Pump	1255	5.22	0.093	12.1	9	1.53		
Monitor Reading (ppm): 7.5	1300	5.16	0.080	12.0	9	1.15		
Well Casing Diameter & Material	1305	5.11	0.079	11.9	12	2.53		
Type: 6" steel	1310	5.05	0.079	11.9	12	2.70		
Total Well Depth (TD): L 100	1315	5.00	0.078	11.9	13	1.46		
Static Water Level (WL): 67.53	1320	5.01	0.078	11.9	13	1.14		
One Casing Volume(gal/L):	1325	4.95	0.078	11.9	14	1.15		
Start Purge (hrs): 1255	1330	4.96	0.078	11.9	15	1.14		
End Purge (hrs): 1338	1335	4.96	0.078	11.9	15	1.17		
Total Purge Time (min): 43								
Total Vol. Purged (gal/L): 215								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
GRO	HCL	40 ml VOA Vial	12
DRO	4 C	1 Liter Amber Glass	8
TAL Metals	HNO3	500 ML Poly	3
Dissolved Metals	HNO3	500 ML Poly	3

OBSERVATIONS / NOTES:

Purge rate was 5 gpm with a very slight sheen and slight petroleum odor

Circle if Applicable:

MS/MSD

Duplicate ID No.: Assigned time 1430 WS-MW-T-8002D and 8002DF

Signature(s):

TBD: To Be Determined

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWS Earle
Project No.: CTO 300

[] Domestic Well Data
[■] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: WS-MW-T-8002
Sample Location: T-8002
Sampled By: CM
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other NA
Date: 3/20/01								
Time:								
Method:								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 3/20/01								
Method: Grundfos Pump	1020	5.75	0.092	11.2	151	1.61		
Monitor Reading (ppm): 7.5								
Well Casing Diameter & Material								
Type: 6" steel								
Total Well Depth (TD): <100'								
Static Water Level (WL): 67.53								
One Casing Volume(gal/L):								
Start Purge (hrs): 1020								
End Purge (hrs): 1220								
Total Purge Time (min): 120								
Total Vol. Purged (gal/L): 1,200								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

The purging rate was 10 gpm with no draw down

Depth To Product 67.51
Depth To water 67.53
Depth of Product 0.02

The water had an oil sheen on it when purging was begun

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWS Earle
Project No.: CTO 300

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: WS-MW-T-8003
Sample Location: T-8003
Sampled By:
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	TBD
Date: 3/20/01								
Time: 1210								
Method: Peristaltic Pump	Lt Brown	5.94	0.062	11.11	83.0	1.18		

PURGE DATA:

Date: 3/20/01	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Peristaltic Pump								
Monitor Reading (ppm): 0.0								
Well Casing Diameter & Material								
Type: 4" Steel								
Total Well Depth (TD): 53'								
Static Water Level (WL): 20.54								
One Casing Volume(gal/L):								
Start Purge (hrs): 1115								
End Purge (hrs): 1207								
Total Purge Time (min): 52								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TAL Metals	HNO3	500 ML Poly	2
Dissolved Metals	HNO3	500 ML Poly	2

OBSERVATIONS / NOTES:

The well was purged at 9PM the previous day to remove suspended solids from the well

Circle if Applicable:

MS/MSD	Duplicate ID No.: WS-MW-T-80030 WS-MW-T-8003DF Assigned Time 1240	Signature(s):

TBD: To Be Determined

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle
PROJECT NUMBER: CTO 300
WELL ID.: T-8003
DATE: 3/20/01

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
1115	20.59	250	6.04	0.063	84.2	3.29	10.3		
1120	20.60	250	5.99	0.064	85.7	1.26	10.6		
1125	20.60	250	5.93	0.063	85.2	1.07	10.9		
1130	20.60	250	5.96	0.064	83.8	1.29	10.8		
1135	20.60	250	5.96	0.063	83.3	1.24	10.9		
1140	20.60	250	5.94	0.063	83.6	1.19	10.9		
1145	20.60	250	5.95	0.063	83.8	1.17	10.9		
1150	20.60	250	5.98	0.062	83.1	1.20	11.0		
1155	20.60	250	5.93	0.062	83.2	1.17	11.1		
1200	20.60	250	5.95	0.062	83.0	1.17	11.1		
1205	20.60	250	5.94	0.062	83.0	1.18	11.11		
1207	Purging was completed after removing 1.5 gallons from the well. The water was a light brown with no odors								
1210	Samples T-8003 and Duplicate T-8003D were collected								

SIGNATURE(S): _____

PAGE___OF___

etra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWS Earle Wayside
Project No.: 7695

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: Bldg well
[] QA Sample Type:

Sample ID No.: WSGWT8002
Sample Location: T8002
Sampled By: DO. TWP
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12/7/00	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time:	Visual	Standard	mS/cm	Degrees C	NTU	mg/l	%	NA
Method: Submersible Pump								

PURGE DATA:

Date:	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Low Flow								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SEE LOW FLO W PURGE DATA SHEET

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOC	HCl	3-40ml Vials	
TCL SVOC	—	2-950ml Bottle	
TCL Pest PCB	—	2-950ml Bottle	
TAL Metals	HNO_3	1-950ml Poly	
CN	NaOH	1-~~250~~ml Poly	
DRO	—	2-950ml Bottle	
GRO	HCl	3-40ml Vials	

OBSERVATIONS / NOTES:

Duplicate Sample T-8000 Collected here.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle Wayside
PROJECT NUMBER: 7695

WELL ID.: MW-T-800R
DATE: 12/7/00

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
1200	57.75	450	6.24	0.80	450	11.87	9.87	-44	
1205	57.75	450	6.28	0.80	440	11.36	9.85	-50	
1210	57.75	450	6.28	0.079	470	10.53	10.56	-55	
1215	57.75	450	6.27	0.079	500	9.07	12.90	-77	
1220	57.75	450	6.33	0.080	500	8.56	12.83	-91	
1225	57.75	450	6.37	0.079	490	7.96	13.27	-101	
1230	57.75	450	6.42	0.079	480	7.25	13.27	-109	
1235	57.75	450	6.44	0.079	460	6.78	13.48	-116	
1240	57.75	450	6.49	0.079	460	6.70	13.40	-123	
1245	57.75	450	6.53	0.079	460	6.72	13.39	-122	
1250	57.75	450	6.56	0.079	460	6.70	13.37	-124	
1255	57.75	450	6.58	0.079	460	6.71	13.36	-124	

SIGNATURE(S): _____

etra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWS Earle
Project No.: 7695

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: Former Water Supply Well
[] QA Sample Type:

Sample ID No.: T-8003
Sample Location: T-8003
Sampled By: DD/WP
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	Salinity %	Other ~~NA~~ drp
Date: 12-5-00								
Time: 1035								
Method: Submersible pump		5.45	0.061	12.66	450	5.50	0	160

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 12/5/00								
Method: Submersible Pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material Type: 4" Steel								
Total Well Depth (TD):								
Static Water Level (WL): 22.79								
One Casing Volume(gal/L):								
Start Purge (hrs): 0925								
End Purge (hrs): 1030								
Total Purge Time (min): 55								
Total Vol. Purged (gal/L):								

SEE LOW FLO W PURGE DATA SHEET

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOC	HCl 4°C	9 - 40ml VOA vials	✓
SVOC	—	6 - 1L Ambers	✓
PCB	—	6 - 1L Ambers	✓
Metals	HNO3 4°C	3 - 500 ml poly	✓
CN	NAOH 4°C	3 - 250 ml poly	✓

OBSERVATIONS / NOTES:

Circle if Applicable:
MS/MSD
Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle

PROJECT NUMBER: 7695

WELL ID.: T-8003

DATE: 12/5/00

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
0925	22.25	400	5.59	0.081	990	2.87	11.64	116	
0930		400	5.69	0.073	990	1.90	12.57	105	
0935		400	5.77	0.069	990	1.65	12.59	96	
0940	22.3	400	5.68	0.066	990	1.54	12.62	116	
0945		400	5.60	0.066	880	2.42	12.73	131	
0950		400	5.57	0.063	710	3.27	12.69	141	
0955		400	5.55	0.062	620	3.85	12.67	149	
1000		400	5.51	0.061	610	4.24	12.65	150	
1005		400	5.49	0.061	530	5.08	12.63	162	
1010		400	5.50	0.061	520	5.11	12.64	163	
1015		400	5.46	0.061	470	5.29	12.66	159	
1020		400	5.42	0.060	450	5.48	12.68	160	
1025		400	5.43	0.061	430	5.49	12.66	160	
1030		400	5.45	0.061	440	5.51	12.73	159	
	Finish purge and well T-8003								

SIGNATURE(S): [illegible]

etra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Navy Earle
Project No.: 7695

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: Building well
[] QA Sample Type:

Sample ID No.: WSGWT5006
Sample Location: T-5006
Sampled By: D.D & WP
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	~~Salinity~~ ~~%~~	~~Other~~ ~~NA~~ ORP
Date: 12/7/00								
Time: 1122								
Method: Submersible Pump	Slight Grayish	6.03	0.141	12.75	80	0.50		-53

PURGE DATA:

Date:	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Low Flow								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SEE LOW FLO W PURGE DATA SHEET

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOC	HCl	3-40ml Vials	
TCL SVOC		2-950ml Bottles	
TCL Pest/PCB	—	2-950ml Bottles	
TAL Metals	HNO_3	1-950ml Poly	
CN	NaOH	1-250ml poly	

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle
PROJECT NUMBER: 7693

WELL ID.: T-8006
DATE: 12/7/00

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
1050	72.3'	500	—	—	—	—	—	—	Initial, Clear Water
1055	72.3'	500	6.37	0.141	52	2.16	9.40	-30	Gray Water, No odor
1100	↓	450	6.15	0.141	82	0.63	10.47	-38	Gray Water
1105		500	6.10	0.139	75	0.51	12.71	-51	Gray Water
1110		500	6.08	0.141	76	0.50	12.74	-56	Gray Water
1115		500	6.09	0.141	82	0.50	12.73	-52	Gray Water
1120	↓	500	6.08	0.141	80	0.50	12.75	-53	Gray Water

SIGNATURE(S): _____

etra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWS Earle Wayside
Project No.: 7695

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: WS USGS 0353
Sample Location: Vietnam Village
Sampled By: D.D. FW.P
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. Degrees C	Turbidity NTU	DO mg/l	Salinity %	Other NA
Date: 12/6/00								
Time:								
Method: Submersible Pump								

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date:								
Method: Low Flow								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SEE LOW FLO W PURGE DATA SHEET

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWS Earle Wayside

PROJECT NUMBER: 7695

WELL ID.: WS USGS

DATE: 12/6/01

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	ORP (mV)	Comments
0955	176.0	500	5.93	0.208	70	2.27	9.82	40	Clear water, no odor
1000		500	6.22	0.203	71	1.20	10.34	-16	

SIGNATURE(S): _____

APPENDIX G
GROUNDWATER MEASUREMENT LOG SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Pr ject Name: NWS Earle
Project No.:
Location: Colts Neck NJ
Personnel: Vince Shickora/Chuck Meyer
Weather Conditions: Sunny temp Mid 40°s
Measuring Device: Solinst 300' Tape
Tidally Influenced: Yes ___ No X
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Readin (feet)*	Thickness of Free Produc (feet)*	Groundwater Elevation (feet)*	Comments
BLDGT-8003	1/17/01	0822		48.33	21.84			
BLDGT-8006	1/17/01	0832		95.60	72.47			
BLDGT-8002	1/17/01	0837		> 100.00	52.75			
USGS 250353	1/17/01	0850		327.00	125.12			
BGGW01	1/17/01	1200		22.00	21.80			

* All measurements to the nearest 0.01 foot

NWSE T-8002 AREA - POTABLE WELL DATA

DATE	DEPTH TO OIL	DEPTH TO WATER	TIME
9/2/99	56.7	59.9	(Taken @ 1132)
9/2/99	57.0	57.4	(Taken @ 1215)
9/2/99	57.5	57.25	(Taken @ 1300)
9/3/99	57.0	57.09	(Taken @ 0907)
9/29/99	SEE FIELD NOTES	57.35	(> 1000 hrs.)
10/6/99	SEE FIELD NOTES	57.47	(> 0913 hrs.)
10/15/99	SEE FIELD NOTES	57.95	(> 1100 hrs.)
12/1/00	57.9	57.98	(app. 0830 hrs.)

APPENDIX H

Survey Data

James M. Stewart, Inc. Land Surveyors

File # 1463Wayside
Checked BY: JMS

April 3, 2001

NWS Earle – Wayside – Colt's Neck, NJ.

Well Locations

Well #	Elevations (Feet) Ground	Inner Casing	Outer Casing	Coordinates (Feet) (Y) North	(X) East
WS/ BGGW01	94.16	96.31	96.79	526269.05	605570.81
WS/ USGS-250353	147.87	149.83	149.13	520265.05	606060.60
WS/ BLDG T-8002	141.14		143.24	523519.54	608353.15
WS/ BLDG T-8003	92.76		93.38	526997.64	604265.59
WS/ BLDG T-8006	151.39		149.28	523600.59	607401.76
WS/UST	137.0			523618.58	608352.55
WS/SB-01	92.0			527065.18	604118.48
WS/SB-02	94.8			527001.55	604453.18
WS/SB-03	101.0			524653.40	605877.26
WS/SB-04	137.6			523869.11	606678.28
WS/ SB-05-06	133.3			523587.27	606545.14
WS/SB-07	145.0			523426.51	608075.91
WS/SB-08	144.8			523402.72	607953.03
WS/SB-09	140.3			520336.69	605775.13
WS/SB-10	141.4			520334.16	605875.60
WS/SB-11	145.1			520196.65	606058.30

Horizontal Datum: New Jersey Plane Coordinates NAD 83
Vertical Datum: NAVD 88

9622 Evans Street Philadelphia, PA 19115 Office 215 969 1577 Fax 215 969 0338

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Own r: US NAVAL WEAPONS STATION EARLE
Name of Facility: US NAVAL WEAPONS STATION EARLE
Location: Route 34, Colts Neck, NJ. 07722
Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION
Well Permit Number:
(This number must be permanently affixed to - the well casing.) __ __ - __ __ __ __ __ - __

Owners Well Number (As shown on application or plans): WS/BLDG T-8002

Geographic Coordinates NAD 83 (to nearest 1/10 of second):

Longitude: West: 74°05'00.439" Latitude: North 40°16'11.818"

New J rsey State Plane Coordinates NAD 83 to nearest 10 feet:

North 523520 East 608353

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01') : 143.24'

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)

NJGS 12286 Elevation: 113.79' NAVD 88

Significant observations and notes _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurat and complete. I am aware that there are significant penalties for submitting false inaccurate, and complete information and I am committing a crime in the fourth degree if I make a false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

SEAL

PROFESSIONAL LAND SURVEYOR' SIGNATURE

04/03/01
DATE

James M. Stewart Lic # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, PA 19115 215 969 1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: US NAVAL WEAPONS STATION EARLE
Name of Facility: US NAVAL WEAPONS STATION EARLE
Location: Route 34, Colts Neck, NJ. 07722
Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
(This number must be permanently affixed to - the well casing.) __ __ - __ __ __ __ __ __ - __

Owners Well Number (As shown on application or plans): WS/BLDG T-8006

Geographic Coordinates NAD 83 (to nearest 1/10 of second):

Longitude: West: 74°05'12.708" Latitude: North 40°16'12.663"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 523601 East 607402

El vation of Top of Inner Casing (cap off) at ref rence mark (nearest 0.01') : 149.28'

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)

NJGS 12286 Elevation: 113.79' NAVD 88

Significant observations and notes _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false inaccurate, and complete information and I am committing a crime in the fourth degree if I make a false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

SEAL

PROFESSIONAL LAND SURVEYOR' SIGNATURE

04/03/01
DATE

James M. Stewart Lic # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, PA 19115 215 969 1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B LOCATION CERTIFICATION

Name of Owner: US NAVAL WEAPONS STATION EARLE
Name of Facility: US NAVAL WEAPONS STATION EARLE
Location: Route 34, Colts Neck, NJ. 07722
Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number:
(This number must be permanently affixed to - the well casing.) __ __ - __ __ __ __ __ - __

Owners Well Number (As shown on application or plans): WS/BLDG T-8003

Geographic Coordinates NAD 83 (to nearest 1/10 of second):

Longitude: West: 74°05'52.971" Latitude: North 40°16'46.377"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 526998 East 604266

Elevation of Top of Inner Casing (cap off) at ref rence mark (nearest 0.01') : 93.38'

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify, here, assumed datum of 100', and give approximated actual elevation.)

NJGS 12286 Elevation: 113.79' NAVD 88

Significant observations and notes _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of these individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false inaccurate, and complete information and I am committing a crime in the fourth degree if I make a false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

SEAL

PROFESSIONAL LAND SURVEYOR' SIGNATURE

04/03/01
DATE

James M. Stewart Lic # GS26108
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

9622 Evans Street, Philadelphia, PA 19115 215 969 1577
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER