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DATE: March 2, 2006

TO: Don Bussey, U.S. EPA/ERTC Work Assignment Manager

THROUGH: Parry Bhambra, REAC Operations Section Leader PBhambra

FROM: Christopher Sklaney, REAC Task Leader

SUBJECT: SOIL SAMPLING AND SUBSURFACE INVESTIGATION
ROSELLE PARK YOUTH BASEBALL FIELDS SITE, ROSELLE PARK, NEW JERSEY
WORK ASSIGNMENT 0-161 - TRIP REPORT

INTRODUCTION

This technical memorandum presents the results of an environmental investigation conducted at the Roselle Park Youth Baseball Fields Site (site) in Roselle Park, Union County, New Jersey (NJ) during two field events in July and October 2005. Personnel from the Lockheed Martin Response Engineering and Analytical Contract (REAC) in consultation with the United States Environmental Protection Agency (EPA) Environmental Response Team (ERT) Work Assignment Manager (WAM) conducted the investigation. The initial event, conducted in July 2005, focused on identifying potential geophysical anomalies, evaluating potential sources of volatile organic compound (VOC) contamination in soil gas, and determining the horizontal extent of metals and semivolatile organic compounds (SVOCs) in surface soils. The subsequent event, conducted in October 2005, focused on defining the vertical extent of lead and VOCs in soil at a subset of the locations sampled in July 2005. X-ray fluorescence (XRF) analysis for lead in soil was conducted during both events, with a subset of samples analyzed for lead or TAL metals in a laboratory setting.

SITE BACKGROUND

The site is comprised of two Little League fields located over the site of a former municipal incinerator on West Webster Avenue in Roselle Park, Union County, New Jersey (NJ). The site location is presented on Figure 1, and a site sketch is presented on Figure 2. In response to complaints received in 1998, EPA Region 2 conducted sampling events in 1999, 2000 and 2001, which identified the presence of elevated levels of lead, SVOCs, and VOCs in the surface and subsurface soil.

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METHODOLOGY

The geophysical survey, soil gas and surface soil sampling were conducted in July 2005. The subsurface soil sampling was conducted in October 2005.

Geophysical Survey

In July 2005, the Adase Field and Wolf Field were surveyed with both a Geonics™ EM-31 terrain conductivity meter and a Gem Systems® GSM-19 magnetometer. The survey grid was laid out on each field using the third base line of Adase Field and the first base line on Wolf Field as the survey base lines for the respective fields. Home plate was used as the origin on each field. For the magnetometer, the north-south survey lines were spaced at 20-foot intervals with readings collected at 5-foot intervals. For the EM-31, survey lines were spaced at 10-foot intervals and readings collected along the survey lines at 2.5-foot intervals. Preliminary results, including raw data and maps, were forwarded to the ERT WAM and OSC following geophysical survey and prior to October 2005 direct-push activities.

Soil Gas Sampling

Active soil gas sampling was conducted using two separate but similar sample collection methods. Initially, soil gas screening samples were collected in 1-liter (L) Tedlar® bags to determine the general spatial location of potential VOC source areas. Based partially on preliminary results from soil gas screening samples, several soil gas samples were subsequently collected in 6-L SUMMA® canisters to more precisely quantify concentrations of specific VOCs. All soil gas sampling activities were conducted on consecutive days from July 20 through July 22, 2005.

Prior to initiation of soil gas sampling activities, a 20-foot square grid was established over outfield and infield portions of Wolf and Adase fields with axes extending parallel to the baselines on the respective fields. Temporary sampling ports were established using manual methods. In the technique outlined by this method, a 10-pound slide hammer affixed with a solid, 0.625-inch-diameter chrome-molybdenum rod was advanced to approximately 4 feet below ground surface. The rod was subsequently retracted, leaving an open vertical hole. The temporary sampling port was comprised of two parts: a solid 0.25-inch outer diameter stainless steel rod inside a hollow 0.25-inch inner diameter stainless steel rod. The rod combination was placed entirely into the open hole, with the solid rod prohibiting soil from entering the hollow rod. The solid rod was subsequently removed from the rod combination, permitting the hollow rod to be used as a sampling conduit. Modeling clay was used to fill gaps at the ground surface created around the outside of the rod combination to restrict intrusion from ambient air and Teflon® tubing was attached to the top of the hollow tubing, establishing an air-tight conduit through which sampling could occur. Decontamination was conducted after sampling at each location by removing visible soil from the rod combination with a moist cloth, if necessary, followed by heating with a propane torch to volatilize VOCs. The process of establishing sampling ports was identical for both sample collection methods.

Qualitative screening of several temporary sampling ports was conducted prior to sample collection using a RAE Systems® MultiRAE Plus four-gas meter with photoionization detector (PID). The PID contained a resolution of 0.1 parts per million (ppm) and was calibrated to isobutylene at 100 ppm. PID screening results varied from background levels to a maximum reading of 33.5 ppm at location A-C4. PID screening results were not recorded during activities conducted on July 20, 2005. PID screening results recorded during field investigations are presented in Table 1.

Sampling using Tedlar bags was conducted using a low-flow Gilian® air pump and vacuum box. After a temporary sample port was established, a Tedlar bag was placed inside a vacuum box and connected to a fitting connected to the upper end of the Teflon tubing inserted into the probe rod. The box was sealed

and the air pump was connected to a second fitting on exterior of the vacuum box. Operation of the pump extracted air from the interior of the box around the Tedlar bag and created a low pressure environment. The pressure differential permitted soil gas to flow from the subsurface and through the tubing and a one-way value into the Tedlar bag. After the Tedlar bag was filled to approximately two-thirds capacity, the pump was disconnected and the pressure in the vacuum box was equalized to ambient conditions prior to opening. The flow regulator on the bag was subsequently closed prior to removal from the air sampling port inside the vacuum box. Using a ballpoint pen, the Tedlar bag was labeled with the appropriate documentation and transferred to a dark, opaque plastic bag for storage. Thirty-two soil gas screening samples, including one trip/lot blank, one ambient air sample, and four field replicates were collected in Tedlar bags from 10 locations on Adase Field and 16 locations on Wolf Field. The samples were returned to the REAC Laboratory in Edison, NJ and screened for VOCs using a HAPSITE® field-portable gas chromatograph/mass spectrometer (GC/MS) according to REAC Standard Operating Procedure (SOP) 1726.

Sampling using SUMMA® canisters was conducted in a manner similar to sampling using Tedlar bags. The canisters were obtained from the REAC Laboratory under a negative pressure, at approximately -30 inches of mercury (mm Hg). The upper end of the Teflon tubing extending from a sampling port was connected to a stainless steel fitting on the canister. The flow regulator on the canister was opened slightly to permit collection of soil gas over a period of several minutes. Upon reaching near-ambient negative pressure, the flow regulator was closed. Using a ballpoint pen, a tag affixed to the canister was labeled with the appropriate documentation. Eleven soil gas samples, including one trip/lot blank and one ambient air sample were collected in SUMMA canisters from six locations on Adase Field and three locations on Wolf Field. The canisters were returned to the REAC Laboratory for analysis of VOCs according to REAC SOP 1814. All soil gas sample locations are presented in Figure 3.

Surface Soil Sampling

Surface soil sampling was conducted exclusively in the upper three inches of soil, in grass-covered outfield portions of each field and at several locations adjacent to Wolf Field. Initially, overlying sod was lifted to expose the soil underneath. A sufficient volume of soil was homogenized in place using clean stainless steel spoons prior to transfer to the appropriate sample containers. The sample jars were labeled and transferred to segregated coolers based on the analytical group. After each sample was collected, divots were filled with clean sand and the turf was restored. The complete analyte suite used for surface soil samples included SVOCs, lead screened by XRF, and total metals; at the majority of sample locations, a partial group of analytical fractions were collected. All surface soil sampling activities were conducted on consecutive days from July 25 through July 29, 2005.

At 82 locations, including 42 locations on Adase Field and 40 locations on Wolf Field, sample fractions were collected and submitted to A4 Scientific in The Woodlands, Texas through EPA's Contract Laboratory Program (CLP) for analysis of Target Compound List (TCL) SVOCs by CLP Statement of Work (SOW) OLM04.2. Surface soil sampling locations at which sample fractions for SVOC analysis were collected are presented in Figure 4.

At 132 locations, including 55 locations on Adase Field, 59 locations on Wolf Field, and 18 locations outside the perimeter of the Wolf Field outfield fence, sample fractions were collected for lead screening by XRF. The samples were screened on-site using a Niton, Model XL700, field-portable XRF Spectrometer. Screening results were used to direct on-going and subsequent sampling efforts. Forty-four of the samples were additionally submitted to the Environmental Science and Assessment Team (ESAT) Laboratory in Edison, NJ for analysis of the Target Analyte List (TAL) Metals using Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES), as outlined in ESAT SOP No. 136. XRF

screening results were compared to laboratory analytical results for lead using simple linear regression analysis. Surface soil sampling locations at which sample fractions for XRF screening or TAL Metals analyses were collected are presented in Figure 5.

Subsurface Soil Sampling

On October 24, 2005, REAC used a Geoprobe® Systems (Geoprobe) Model 6620DT direct-push device to collect 54 soil samples from 12 borings. Nine borings were advanced on Wolf Field, and three borings were advanced on Adase Field. The Macro-Core™ sampling system was used to advance and retrieve the borings. The closed-piston configuration was used where necessary to avoid collection of collapsed soils. The borings were advanced through fill into reddish-brown native soils or until directed by the WAM. The water table was not encountered in any boring. All soil cores were screened immediately upon retrieval using a PID. PID readings above background were not encountered in any boring, although a nondescript petroleum odor was observed in one boring (A3-TEMP) advanced on Adase Field. Boring logs including descriptions of the soil lithology and sampling data are presented in Appendix A. Soil boring locations are presented in Figure 6.

Soil samples were collected directly from the soil cores and placed into two-ounce jars. Fifty-four samples were submitted to the REAC Laboratory for lead screening by XRF. Upon receipt of preliminary XRF results, 15 soil samples screened for lead by XRF were submitted to the REAC Laboratory for lead analysis using ICP-AES. Sample fractions from three depth intervals in boring A3-TEMP were additionally submitted to the REAC Laboratory for analysis of Target Compound List (TCL) VOCs, and sample fractions from two depth intervals were submitted for oil fingerprinting. In January 2006, three subsurface soil samples held in archive at the REAC Laboratory and known to contain elevated concentrations of lead were analyzed for lead using the Toxicity Characteristic Leaching Procedure (TCLP).

Global Positioning System (GPS) Survey

A Trimble™ global positioning system (GPS) unit was used to collect positional data for all sample locations. The data were recorded using the Universal Transverse Mercator (UTM) System, Zone 18 North, based on the North American Datum (NAD) 1983, State Plane Coordinates, Easting and Northing (meters). GPS sample location data are presented in Table 2.

Photographic Documentation

Photographs of site activities were documented during both the July and October 2005 field events. A photographic documentation log is provided as Appendix B.

SUMMARY AND RESULTS OF FIELD INVESTIGATION

During the course of the investigation, REAC personnel successfully completed the following tasks:

- Performed geophysical survey of both fields using EM-31 terrain conductivity meter and magnetometer
- Collected and screened soil gas samples in Tedlar bags for VOCs
- Collected and analyzed soil gas samples in SUMMA canisters for VOCs
- Collected and screened surface soil samples for lead by XRF
- Submitted surface soil samples to the ESAT Laboratory for TAL Metals analysis and a CLP Laboratory for SVOC analysis
- Advanced soil borings using direct-push technologies
- Collected and analyzed subsurface soil samples for lead by XRF and ICP-AES, TCL VOCs, and oil fingerprinting
- Conducted a GPS survey to precisely record sample locations

Geophysical Survey Results

Apparent conductivity areas that may be indicative of buried material were identified at several locations on Adase Field and Wolf Field. The source of these anomalous areas could also be attributed to particularly dry ground, differences in soil lithology, or buried trenches. A more comprehensive discussion of results and conclusions is presented in the Technical Memorandum provided as Appendix C.

Soil Gas Sampling Analytical Results

Thirty-one soil gas samples collected in Tedlar bags and 9 soil gas samples collected in SUMMA canisters were analyzed at the REAC Laboratory for VOCs. One soil gas sample collected in a Tedlar bag (W-J1) contained a volume of air insufficient for screening. Only one compound was detected above the laboratory reporting limit (RL) in soil gas samples collected in Tedlar bags. Benzene was detected at 0.33 parts per million by volume (ppmv) in the soil gas sample collected from location A-C4 on Adase Field (Figure 3). Two compounds, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene, were detected at estimated concentrations of 0.15 ppmv and 0.11 ppmv, below the 0.2 ppmv laboratory RL.

Eighteen VOCs were detected in soil gas samples collected in SUMMA canisters, with the highest concentrations in the sample collected from location A-C4. Compounds detected above laboratory RLs are summarized in Table 3 and presented in Figure 7. The complete laboratory analytical data report for soil gas samples collected in Tedlar bags and SUMMA canisters is provided as Appendix D.

Surface Soil Sampling Analytical Results

An EPA CLP Laboratory analyzed samples from 82 locations for SVOCs. Sixteen different SVOCs were detected at 32 of the 82 surface soil sampling locations at concentrations exceeding sample quantitation limits (SQLs). Twenty-seven of the 32 sample locations were located on Wolf Field. In general, the highest concentrations of specific SVOCs were found at locations W-F8, W-G7, W-G8, and W-H8, in centerfield of Wolf Field (Figure 4). Compounds detected above SQLs are summarized in Table 4. The SVOC laboratory analytical data report for surface soil samples is provided as Appendix E.

The REAC Laboratory screened samples from 132 locations for lead by XRF. The maximum reported concentration was 2,970 micrograms per kilogram (mg/kg) at location W-X5 on Wolf Field. The maximum reported concentration on Adase Field was 414 mg/kg at location A-F4. In general,

concentrations of lead in surface soils on Wolf Field were significantly greater than those on Adase Field. The lead concentrations reported in 43 samples collected from Wolf Field were greater than the maximum concentration reported from Adase Field. Field XRF methods and raw data are provided in a Technical Memorandum provided as Appendix F.

The EPA ESAT Laboratory analyzed samples from 44 locations for TAL Metals. The maximum reported concentration of lead was 450 mg/kg on Adase Field from location A-B7, and 3,700 mg/kg on Wolf Field from location W-F9. A comparison of XRF screening and laboratory lead results for surface soil samples is presented in Table 5. In addition, the comparative lead results for surface soil samples collected from Adase Field and Wolf Field are presented in Figures 8 and 9, respectively. The TAL Metals laboratory analytical data report for surface soil samples is provided as Appendix G.

Subsurface Soil Sampling Analytical Results

The REAC Laboratory analyzed subsurface soil samples collected on October 24, 2005 from 12 borings advanced at the site. Fifty-four samples were screened for lead by XRF. The maximum reported concentration was 8,070 mg/kg in the 2- to 3-foot interval at location W-X5 on Wolf Field. The highest surface soil XRF screening result was also observed at this location. The maximum reported concentration on Adase Field was 1,220 mg/kg in the 2- to 2.5-foot interval at location A1-TEMP. In general, concentrations of lead in borings advanced on Wolf Field were greater than those on Adase Field. The lead concentrations reported in 14 samples collected from Wolf Field were greater than the maximum concentration reported from Adase Field. No data validation was conducted for these data at the request of the WAM. The laboratory data report is presented in Appendix H.

Subsequent to the XRF screening, samples from 15 locations were analyzed for lead only by ICP-AES. The maximum reported concentration was 14,900 mg/kg in the 1- to 2-foot interval at location WX-15 on Wolf Field. The maximum reported concentration on Adase Field was 525 mg/kg in the 1- to 2-foot interval at location A2-TEMP. No data validation was conducted for these data at the request of the WAM. The laboratory data report is presented in Appendix I. A comparison of XRF and laboratory lead results is presented in Table 6. A comparison of field XRF and laboratory lead results of the subsurface soil samples for both fields is presented in Figure 10.

Four soil samples collected from boring A3-TEMP were analyzed for TCL VOCs and oil fingerprinting was conducted on two samples. Eleven VOCs (methylene chloride, toluene, ethylbenzene, *p*- and *m*-xylene, *o*-xylene, isopropylbenzene, *n*-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, *p*-isopropyltoluene, and naphthalene) were detected at concentrations above RLs. The highest concentrations were observed in the 11- to 12-foot interval. Compounds detected above laboratory RLs are summarized in Table 7. The complete laboratory analytical data report for subsurface soil samples analyzed for VOCs is presented in Appendix J.

Oil fingerprinting indicated that a mixture of oils or fuel oils with hydrocarbons spanning the gasoline range organics, diesel range organics, and the heavy oil range were present in the samples, although fingerprints of the two samples did not match each other. Sample SB-A3TEMP(6-7) contained an abundance of alkyl benzenes and light gasoline range organics. Sample SB-A3TEMP(11-12) contained diesel range organics. The laboratory data report for subsurface soil samples analyzed for oil fingerprint is presented in Appendix K.

In January 2006, TCLP lead analysis was conducted on three subsurface soil samples collected from Wolf Field in October 2005. Lead was detected in samples W-X5(2-3), W-H8(1-2), and W-X15(1-2) at concentrations of 5.27 micrograms per liter (µg/L), 9.88 µg/L, and 1,340 µg/L, respectively. No data validation was conducted for these data at the request of the WAM. The laboratory data report is presented in Appendix L.

CONCLUSIONS

The following conclusions are based on the results of the investigations:

- Soil samples with lead concentrations exceeding 1,000 mg/kg were found at numerous surface locations on Wolf Field; no lead concentrations exceeding 414 mg/kg were found in surface soils on Adase Field.
- The highest surface lead concentrations reported by XRF screening and laboratory analysis were both found on Wolf Field, at locations W-X5 (2,970 mg/kg) and W-F9 (3,700 mg/kg), respectively.
- The highest subsurface lead concentrations reported by XRF screening and laboratory analysis were both found on Wolf Field, in sample W-X5(2-3) at 8,070 mg/kg and in sample W-X15(1-2) at 14,900 mg/kg, respectively.
- SVOCs detected during this investigation indicate that low-level concentrations consistent with historical industrial fill material are locally present in surface soils.
- Based on the anomalies identified during the geophysical survey and results of soil and soil gas VOC analytical results, a potential release of VOCs may have occurred on Adase Field at depth in the vicinity of location A-C5. The VOCs detected above RLs include methylene chloride, toluene, ethylbenzene, *p*- and *m*-xylene, *o*-xylene, isopropylbenzene, *n*-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, *p*-isopropyltoluene, and naphthalene.

REFERENCES

Lockheed Martin. 2005. Field Logbook, Roselle Park Youth Fields, REAC IV-B-0154.

Tables

TABLES

Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

TABLE 1
PHOTOIONIZATION SCREENING DATA
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	Date	PID Reading (ppm)
A-G1	07/20/05	NR
A-E1	07/20/05	NR
A-G7	07/20/05	NR
A-D8	07/20/05	NR
A-C9	07/20/05	NR
A-D5	07/20/05	NR
A-G5	07/20/05	0
A-A3	07/20/05	0
A-E3	07/20/05	0.5
A-B2	07/20/05	0
W-A9	07/21/05	0.2
W-G9	07/21/05	0.4
W-E8	07/21/05	0.2
W-J1	07/21/05	0
W-C8	07/21/05	0.2
W-A5	07/21/05	0.1
W-G3	07/21/05	0
W-J3	07/21/05	0
W-G1	07/21/05	0
W-E5	07/21/05	0
W-E9	07/21/05	0.1
W-E1	07/21/05	0
W-D3	07/21/05	0
W-D6	07/21/05	1.1
W-B10	07/21/05	0.7
W-D10	07/21/05	1.1
A-H2	07/22/05	0
A-C5	07/22/05	5.1
A-F2	07/22/05	0
A-H4	07/22/05	0.7
A-E6	07/22/05	0.8
A-C6	07/22/05	1.7
A-C4	07/22/05	33.5
A-E7	07/22/05	1.1
A-B4	07/22/05	3.5
A-C2	07/22/05	2.5
A-A1	07/22/05	1.6

RAE Systems® MultiRAE Plus four-gas meter with PID used to record data.
No PID readings above background recorded during October 2004 event.

PID = Photoionization Detector
ppm = Parts per million
NR = Not recorded

TABLE 2
GLOBAL POSITIONING SYSTEM DATA
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	Easting	Northing
A-A3	561657.587	4501889.686
A-A5	561668.176	4501896.062
A-A6	561673.328	4501899.670
A-A7	561678.492	4501902.777
A-A8	561683.497	4501906.237
A-A9	561688.315	4501908.811
A-A10	561693.914	4501912.434
A-B2	561655.632	4501881.187
A-B6	561676.870	4501894.349
A-B7	561682.034	4501897.533
A-B8	561687.331	4501900.921
A-B9	561692.385	4501904.150
A-B10	561697.074	4501907.436
A-C3	561664.109	4501878.783
A-C4	561668.812	4501882.949
A-C5	561674.988	4501886.544
A-C6	561680.174	4501889.353
A-C7	561685.519	4501892.519
A-C8	561690.559	4501895.746
A-C9	561695.710	4501898.773
A-D5	561677.814	4501880.813
A-D6	561682.939	4501884.301
A-D7	561688.192	4501886.688
A-D8	561693.880	4501890.715
A-E1	561660.904	4501862.667
A-E3	561670.865	4501868.584
A-E4	561676.151	4501872.311
A-E5	561681.170	4501875.114
A-E6	561686.879	4501878.581
A-E7	561692.263	4501881.799
A-F1	561664.329	4501857.804
A-F2	561669.541	4501861.179
A-F3	561674.754	4501864.344
A-F4	561679.928	4501867.276
A-F5	561684.811	4501870.865
A-F6	561690.099	4501874.397
A-F7	561695.175	4501877.526
A-F8	561700.671	4501880.011
A-G1	561667.627	4501852.027
A-G2	561672.631	4501855.393
A-G3	561678.343	4501858.516
A-G4	561683.010	4501862.804
A-G5	561688.351	4501865.991
A-G6	561693.710	4501868.634
A-G7	561699.135	4501871.821
A-H1	561671.817	4501847.643
A-H2	561676.093	4501849.907
A-H3	561681.795	4501853.260
A-H4	561686.949	4501857.002
A-H5	561691.838	4501860.636

Sample Location	Easting	Northing
A-H6	561697.017	4501863.488
A-H7	561702.434	4501866.817
A-J1	561674.606	4501841.827
A-J2	561679.733	4501844.866
A-J3	561685.520	4501848.328
A-J4	561690.447	4501852.030
A-J5	561695.197	4501855.478
A-J6	561700.628	4501859.088
A-J7	561704.966	4501862.556
A1-TEMP	561694.090	4501884.171
A2-TEMP	561686.584	4501858.325
A3-TEMP	561671.957	4501882.842
PW-1	561588.523	4501822.048
PW-2	561592.451	4501817.418
PW-3	561596.722	4501813.157
PW-4	561602.023	4501810.325
PW-5	561607.361	4501807.639
PW-6	561612.655	4501804.604
PW-7	561617.652	4501800.936
PW-8	561622.635	4501798.392
RR-1	561673.803	4501825.041
RR-2	561669.291	4501821.022
RR-3	561664.561	4501817.343
RR-4	561659.548	4501813.490
RR-5	561655.451	4501809.104
RR-6	561650.708	4501805.003
RR-7	561645.936	4501800.633
RR-8	561641.269	4501796.508
RR-9	561636.965	4501792.441
RR-10	561632.149	4501788.496
W-A5	561613.344	4501848.963
W-A6	561609.258	4501844.460
W-A7	561604.691	4501840.434
W-A9	561597.061	4501830.818
W-B7	561609.133	4501836.407
W-B8	561606.041	4501830.945
W-B9	561601.538	4501826.794
W-B10	561597.950	4501823.808
W-C2	561637.169	4501856.135
W-C6	561618.032	4501835.596
W-C7	561613.580	4501832.187
W-C8	561610.407	4501826.907
W-D3	561635.911	4501845.472
W-D6	561622.529	4501831.594
W-D8	561614.905	4501822.665
W-D9	561609.957	4501818.111
W-D10	561606.383	4501815.907
W-E1	561647.482	4501849.355
W-E5	561630.834	4501831.922
W-E6	561627.018	4501827.276

UTM, Zone 18 North, NAD1983 (CONUS), meters

TABLE 2 (CONTINUED)
GLOBAL POSITIONING SYSTEM DATA
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	Easting	Northing
W-E7	561623.079	4501823.841
W-E8	561619.271	4501818.462
W-E9	561614.705	4501814.150
W-F1	561651.834	4501845.368
W-F3	561644.081	4501836.342
W-F4	561640.120	4501832.045
W-F6	561631.472	4501822.957
W-F7	561627.573	4501819.565
W-F8	561623.907	4501814.368
W-F9	561618.731	4501810.068
W-G1	561656.229	4501841.209
W-G2	561652.416	4501836.554
W-G3	561648.084	4501832.555
W-G5	561639.835	4501823.854
W-G6	561635.966	4501818.977
W-G7	561631.955	4501815.276
W-G8	561628.153	4501810.155
W-G9	561623.816	4501806.280
W-H2	561657.000	4501832.343
W-H3	561652.363	4501828.437
W-H5	561644.271	4501819.573
W-H6	561640.996	4501814.277
W-H7	561636.429	4501811.043
W-H8	561632.704	4501806.452

Sample Location	Easting	Northing
W-J1	561665.001	4501832.953
W-J2	561661.547	4501828.859
W-J3	561656.770	4501824.171
W-J4	561652.850	4501820.705
W-X1	561667.386	4501831.893
W-X2	561662.817	4501828.537
W-X3	561658.085	4501824.016
W-X4	561653.032	4501820.534
W-X5	561648.894	4501818.088
W-X5	561648.510	4501816.764
W-X6	561643.725	4501812.969
W-X7	561639.127	4501809.121
W-X8	561634.749	4501804.212
W-X9	561630.290	4501801.955
W-X10	561624.957	4501804.485
W-X11	561619.519	4501807.204
W-X12	561614.194	4501810.096
W-X13	561608.627	4501812.929
W-X14	561603.391	4501816.135
W-X15	561600.451	4501821.576
W-X15	561599.848	4501820.458
W-X16	561594.834	4501824.300
W-DUGOUT	561647.160	4501857.044
W-IF	561632.126	4501849.330

UTM, Zone 18 North, NAD1983 (CONUS), meters

TABLE 3
SOIL GAS SAMPLES
SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED IN SUMMA CANISTERS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	**A-C3 SGS**			**A-E7 SGS**			**A-C6 SGS**			**W-B10 SGS**		
Container Type	Summa			Summa			Summa			Summa		
Compound	Result ppbv		RL ppbv	Result ppbv		RL ppbv	Result ppbv		RL ppbv	Result ppbv		RL ppbv
CHLOROMETHANE	U	J	0.600	U	J	0.600	U	J	0.600	U	J	0.600
TRICHLOROFLUROMETHANE	U	J	0.600	U	J	0.600	U	J	0.600	1.20	J	0.600
METHYLENE CHLORIDE	U	J	0.600	U	J	0.600	U	J	0.600	U	J	0.600
TRICHLOROMETHANE	U	J	0.600	3.00	J	0.600	U	J	0.600	U	J	0.600
1,2-DICHLOROETHANE	U	J	0.600	U	J	0.600	U	J	0.600	U	J	0.600
BENZENE	17.7	J	0.600	1.20	J	0.600	1.05	J	0.600	2.25	J	0.600
TOLUENE	20.4	J	0.600	4.80	J	0.600	U	J	2.40	U	J	2.40
TETRACHLOROETHYLENE	U	J	1.05	U	J	1.20	U	J	0.600	U	J	1.20
ETHYLBENZENE	U		1.35	U		0.600	U		0.600	U		0.600
META-XYLENE	U		2.70	U		0.920	U		0.600	U		0.600
ORTHO-XYLENE	U		0.600	U		0.600	U		0.600	U		0.600
STYRENE	U		0.600	U		0.600	U		0.600	U		0.600
1,3,5-TRIMETHYLBENZENE	U		0.600	U		0.600	U		0.600	U		0.600
1,2,4-TRIMETHYLBENZENE	U		0.600	U		0.600	U		0.600	U		0.600

ppbv = parts per billion by volume

U = Analyte not detected above reporting limit (RL)

J = Result estimated

Only compounds detected above the RL presented in this table.

TABLE 3 (CONTINUED)
SOIL GAS SAMPLES
SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED IN SUMMA CANISTERS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	A-C4SG			A-G7 SGS			W-C2 SGS		
Container Type	Tedlar			Summa			Summa		
Compound	Result ppmv		RL ppmv	Result ppbv		RL ppbv	Result ppbv		RL ppbv
CHLOROMETHANE	U		0.2	U	J	0.600	U	J	0.600
TRICHLOROFLUROMETHANE	U		0.2	U	J	0.600	U	J	0.600
METHYLENE CHLORIDE	U		0.2	U	J	0.600	U	J	0.600
TRICHLOROMETHANE	U		0.2	2.10	J	0.600	U	J	0.600
1,2-DICHLOROETHANE	0.33		0.200	U	J	0.600	U	J	0.600
BENZENE	U		0.2	2.40	J	0.600	U	J	0.600
TOLUENE	U		0.2	6.15	J	0.600	U	J	0.600
TETRACHLOROETHYLENE	U		0.20	5.70	J	0.600	U	J	1.20
ETHYLBENZENE	U		0.2	U		0.600	U		0.600
META-XYLENE	U		0.200	U		0.600	U		0.600
ORTHO-XYLENE	U		0.2	U		0.600	U		0.600
STYRENE	U		0.2	U		0.600	U		0.600
1,3,5-TRIMETHYLBENZENE	0.11	J	0.2	U		0.600	U		0.600
1,2,4-TRIMETHYLBENZENE	0.15	J	0.2	U		0.600	U		0.600

ppbv = parts per billion by volume

U = Analyte not detected above reporting limit (RL)

J = Result estimated

Only compounds detected above the RL presented in this table.

TABLE 3 (CONTINUED)
SOIL GAS SAMPLES
SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED IN SUMMA CANISTERS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	W-G7 SGS			A-C5 SGS			A-C4 SGS		
Container Type	Summa			Summa			Summa		
Compound	Result ppbv		RL ppbv	Result ppbv		RL ppbv	Result ppbv		RL ppbv
CHLOROMETHANE	U	J	0.600	U	J	3.00	U	J	4.80
TRICHLOROFLUROMETHANE	U	J	0.600	U	J	3.00	U	J	4.80
METHYLENE CHLORIDE	U	J	0.600	U	J	3.00	U	J	4.80
TRICHLOROMETHANE	U	J	0.600	U	J	3.00	U	J	4.80
1,2-DICHLOROETHANE	U	J	0.600	U	J	3.00	6.00	J	4.80
BENZENE	U	J	0.600	U	J	3.00	152	J	4.80
TOLUENE	U	J	1.20	U	J	3.00	12.0	J	4.80
TETRACHLOROETHYLENE	1.35	J	0.600	U	J	3.00	U	J	4.80
ETHYLBENZENE	U		0.600	U		3.00	60.0		4.80
META-XYLENE	U		0.600	U		3.00	91.2		4.80
ORTHO-XYLENE	U		0.600	U		3.00	12.0		4.80
STYRENE	U		0.600	U		3.00	7.20		4.80
1,3,5-TRIMETHYLBENZENE	U		0.600	U		3.00	215		4.80
1,2,4-TRIMETHYLBENZENE	U		0.600	U		3.00	331		4.80

ppbv = parts per billion by volume

U = Analyte not detected above reporting limit (RL)

J = Result estimated

Only compounds detected above the RL presented in this table.

TABLE 4
SURFACE SOIL
SUMMARY OF DETECTED SEMIVOLATILE ORGANIC COMPOUNDS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

(all results in milligrams per kilogram)

	LOCATION:	W-D6	W-G5	W-E7	W-B7	W-A7	W-H7 Dup	W-F8	W-B8	W-H7	W-A7 Dup
	CLP ID:	B35Q1	B35Q2	B35Q3	B35Q5	B35Q6	B35Q7	B35Q9	B35R0	B35R1	B35R2
COMPOUND	**CAS No.**										
ACENAPHTHENE	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	86-73-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	85-01-8	ND	570	ND	ND	520	ND	2400	410	ND	570
ANTHRACENE	120-12-7	ND	ND	ND	ND	ND	ND	410	ND	ND	ND
CARBAZOLE	86-74-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	206-44-0	540	790	640	480	1200	750	3400	850	820	1500
PYRENE	129-00-0	ND	880	590	460	1200	730	3000	840	710	1300
BENZO(A)ANTHRACENE	56-55-3	ND	ND	ND	ND	660	ND	1600	390	ND	730
CHRYSENE	218-01-9	ND	ND	ND	ND	680	ND	1700	420	ND	750
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO(B)FLUORANTHENE	205-99-2	ND	460	430	ND	920	590	2000	560	550	930
BENZO(K)FLUORANTHENE	207-08-9	ND	ND	ND	ND	ND	ND	530	ND	ND	ND
BENZO(A)PYRENE	50-32-8	ND	ND	ND	ND	640	ND	1500	410	ND	670
INDENO(1,2,3-CD)-PYRENE	193-39-5	ND	ND	ND	ND	480	ND	1000	ND	ND	510
DIBENZO(A,H)-ANTHRACENE	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	191-24-2	ND	ND	ND	ND	410	ND	880	ND	ND	410

NOTE: ONLY COMPOUNDS DETECTED ABOVE SAMPLE QUANTIATION LIMITS PRESENTED IN TABLE. REFER TO APPENDIX D FOR COMPLETE ANALYTICAL RESULTS.

ND = NOT DETECTED ABOVE SAMPLE QUANTITATION LIMIT

TABLE 4 (CONTINUED)
SURFACE SOIL
SUMMARY OF DETECTED SEMIVOLATILE ORGANIC COMPOUNDS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

(all results in milligrams per kilogram)

	LOCATION:	W-H3	W-G7	W-G8	W-J4	W-C7	W-G2	W-G1	W-J2	W-F7	W-F6
	CLP ID:	B35R3	B35R4	B35R5	B35R6	B35R8	B35R9	B35S1	B35S2	B35S3	B35S6
COMPOUND	**CAS No.**										
ACENAPHTHENE	83-32-9	ND	ND	520	ND	ND	ND	ND	ND	ND	ND
FLUORENE	86-73-7	ND	ND	530	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	85-01-8	470	1800	4600	ND	1100	ND	ND	ND	ND	620
ANTHRACENE	120-12-7	ND	ND	1100	ND	ND	ND	ND	ND	ND	ND
CARBAZOLE	86-74-8	ND	ND	480	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	206-44-0	1200	3100	7700	570	1600	900	510	620	610	1100
PYRENE	129-00-0	1000	3000	6500	470	1300	750	480	590	650	950
BENZO(A)ANTHRACENE	56-55-3	530	1400	ND	ND	680	420	ND	ND	ND	560
CHRYSENE	218-01-9	580	1300	ND	ND	690	450	ND	ND	ND	490
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO(B)FLUORANTHENE	205-99-2	720	1900	4600	ND	820	590	470	520	460	710
BENZO(K)FLUORANTHENE	207-08-9	ND	590	1600	ND	ND	ND	ND	ND	ND	ND
BENZO(A)PYRENE	50-32-8	530	1400	ND	ND	560	410	ND	370	ND	530
INDENO(1,2,3-CD)-PYRENE	193-39-5	ND	1100	2500	ND	420	ND	ND	ND	ND	370
DIBENZO(A,H)-ANTHRACENE	53-70-3	ND	ND	610	ND	ND	ND	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	191-24-2	ND	910	2100	ND	ND	ND	ND	ND	ND	ND

NOTE: ONLY COMPOUNDS DETECTED ABOVE SAMPLE QUANTIATION LIMITS PRESENTED IN TABLE. REFER TO APPENDIX D FOR COMPLETE ANALYTICAL RESULTS.

ND = NOT DETECTED ABOVE SAMPLE QUANTITATION LIMIT

TABLE 4 (CONTINUED)
SURFACE SOIL
SUMMARY OF DETECTED SEMIVOLATILE ORGANIC COMPOUNDS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

(all results in milligrams per kilogram)

	LOCATION:	W-H8	W-F1	W-G6	W-J1	W-E9	W-G9	W-F9	W-E5	W-D8	W-F4
	CLP ID:	B35S7	B35S8	B35T0	B35T1	B35T2	B35T3	B35T4	B35T5	B35T6	B35T7
COMPOUND	**CAS No.**										
ACENAPHTHENE	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORENE	86-73-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	85-01-8	3200	ND	ND	ND	ND	700	ND	ND	430	ND
ANTHRACENE	120-12-7	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBAZOLE	86-74-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	206-44-0	4100	1000	740	730	440	1200	460	ND	990	ND
PYRENE	129-00-0	4200	890	830	660	430	1100	530	ND	1100	ND
BENZO(A)ANTHRACENE	56-55-3	2300	460	440	ND	ND	590	ND	ND	520	ND
CHRYSENE	218-01-9	2200	460	440	ND	ND	600	ND	ND	560	ND
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	460	ND	ND	ND	ND	ND	ND	470	1400	520
BENZO(B)FLUORANTHENE	205-99-2	2800	650	580	470	ND	800	420	ND	780	ND
BENZO(K)FLUORANTHENE	207-08-9	840	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO(A)PYRENE	50-32-8	2000	470	ND	ND	ND	550	ND	ND	540	ND
INDENO(1,2,3-CD)-PYRENE	193-39-5	1200	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBENZO(A,H)-ANTHRACENE	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	191-24-2	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTE: ONLY COMPOUNDS DETECTED ABOVE SAMPLE QUANTIATION LIMITS PRESENTED IN TABLE. REFER TO APPENDIX D FOR COMPLETE ANALYTICAL RESULTS.

ND = NOT DETECTED ABOVE SAMPLE QUANTITATION LIMIT

TABLE 4 (CONTINUED)
SURFACE SOIL
SUMMARY OF DETECTED SEMIVOLATILE ORGANIC COMPOUNDS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

(all results in milligrams per kilogram)

	LOCATION:	W-H2	W-G6 Dup	A-F1	A-E8	A-F6	A-D6	A-E7
	CLP ID:	B35T8	B35W1	B3605	B3606	B3607	B3608	B3609
COMPOUND	**CAS No.**							
ACENAPHTHENE	83-32-9	ND	ND	ND	ND	ND	ND	ND
FLUORENE	86-73-7	ND	ND	ND	ND	ND	ND	ND
PHENANTHRENE	85-01-8	470	ND	ND	ND	ND	ND	ND
ANTHRACENE	120-12-7	ND	ND	ND	ND	ND	ND	ND
CARBAZOLE	86-74-8	ND	ND	ND	ND	ND	ND	ND
FLUORANTHENE	206-44-0	960	860	800	520	480	730	560
PYRENE	129-00-0	900	740	680	410	400	630	460
BENZO(A)ANTHRACENE	56-55-3	490	ND	410	ND	ND	ND	ND
CHRYSENE	218-01-9	490	470	440	ND	ND	400	ND
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	470	ND	ND	470	ND	ND	ND
BENZO(B)FLUORANTHENE	205-99-2	600	550	ND	ND	ND	ND	ND
BENZO(K)FLUORANTHENE	207-08-9	ND	ND	ND	ND	ND	ND	ND
BENZO(A)PYRENE	50-32-8	450	ND	410	ND	ND	390	ND
INDENO(1,2,3-CD)-PYRENE	193-39-5	ND	ND	ND	ND	ND	ND	ND
DIBENZO(A,H)-ANTHRACENE	53-70-3	ND	ND	ND	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	191-24-2	ND	ND	ND	ND	ND	ND	ND

NOTE: ONLY COMPOUNDS DETECTED ABOVE SAMPLE QUANTIATION LIMITS PRESENTED IN TABLE. REFER TO APPENDIX D FOR COMPLETE ANALYTICAL RESULTS.

ND = NOT DETECTED ABOVE SAMPLE QUANTITATION LIMIT

TABLE 5
SURFACE SOIL
COMPARISON OF XRF SCREENING AND LABORATORY ANALYTICAL RESULTS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	XRF Screening Result	Laboratory Result
A-A5	72	NC
A-A6	97	NC
A-A7	132	NC
A-A8	62	NC
A-A9	56	NC
A-A10	72	87
A-B6	70	120
A-B7	123	450
A-B8	135	350
A-B9	76	310
A-B10	85	100
A-C6	93	240
A-C7	254	220
A-C8	137	370
A-C9	96	300
A-D5	97	NC
A-D6	146	NC
A-D7	112	NC
A-D8	118	NC
A-E1	113	NC
A-E4	260	NC
A-E5	249	NC
A-E6	208	NC
A-E7	176	NC
A-E8	139	NC
A-F1	194	NC
A-F2	181	NC
A-F3	377	NC
A-F4	414	NC
A-F5	302	NC
A-F6	241	NC
A-F7	253	NC
A-F8	155	NC
A-G1	293	NC
A-G2	318	NC
A-G3	206	NC
A-G4	321	NC
A-G5	232	NC
A-G6	183	NC
A-G7	178	NC
A-H1	250	NC
A-H2	333	NC
A-H3	228	NC
A-H4	305	NC
A-H5	231	NC
A-H6	121	NC
A-H7	113	NC

Sample Location	XRF Screening Result	Laboratory Result
A-J1	90	NC
A-J2	335	NC
A-J3	369	NC
A-J4	236	NC
A-J5	283	NC
A-J6	135	NC
A-J7	133	NC
PW-1	68	NC
PW-2	67	NC
PW-3	62	NC
PW-4	109	110
PW-5	87	NC
PW-6	179	1000
PW-7	94	NC
PW-8	69	NC
RR-1	119	140
RR-2	296	NC
RR-3	188	NC
RR-4	254	NC
RR-5	264	240
RR-6	246	NC
RR-7	144	NC
RR-8	208	150
RR-9	66	NC
RR-10	162	NC
W-Dugout	36	NC
W-A5	572	NC
W-A6	258	NC
W-A7	776	1200
W-A9	820	NC
W-B7	587	NC
W-B8	969	1600
W-B9	382	NC
W-C6	815	250
W-C7	576	NC
W-C8	686	1000
W-D6	367	NC
W-D8	894	NC
W-D9	1120	NC
W-E1	107	NC
W-E5	239	340
W-E6	308	270
W-E7	489	NC
W-E8	721	NC
W-E9	1659	2600
W-F1	709	NC
W-F3	504	1200

Samples containing PW- and RR- prefixes collected from outside perimeter of Wolf Field to the southwest and southeast, respecitvely.
'NC' indicates sample for laboratory analysis was not collected.

TABLE 5 (CONTINUED)
SURFACE SOIL
COMPARISON OF XRF SCREENING AND LABORATORY ANALYTICAL RESULTS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	XRF Screening Result	Laboratory Result
W-F4	394	360
W-F6	361	NC
W-F7	548	NC
W-F8	719	NC
W-F9	2640	3700
W-G1	354	NC
W-G2	1020	1100
W-G5	631	800
W-G6	881	1000
W-G7	966	NC
W-G8	920	NC
W-G9	455	630
W-H2	1300	1600
W-H3	658	920
W-H5	1500	1600
W-H6	877	870
W-H7	1220	1300
W-H8	984	1200
W-J1	225	NC

Sample Location	XRF Screening Result	Laboratory Result
W-J2	1000	1100
W-J4	790	830
W-X1	175	NC
W-X2	683	790
W-X3	482	NC
W-X4	706	NC
W-X5	2970	3100
W-X6	522	NC
W-X7	772	NC
W-X8	1410	1400
W-X9	243	NC
W-X10	552	640
W-X11	296	NC
W-X12	327	420
W-X13	378	NC
W-X14	490	NC
W-X15	1350	1600
W-X16	1230	1300

Samples containing PW- and RR- prefixes collected from outside perimeter of Wolf Field to the southwest and southeast, respecitvely.
'NC' indicates sample for laboratory analysis was not collected.

TABLE 6
SUBSURFACE SOIL
COMPARISON OF XRF SCREENING AND LABORATORY ANALYTICAL RESULTS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

Sample Location	XRF Screening Result	Laboratory Result
SB-A1TEMP(1-2)	390	NC
SB-A1TEMP(1-2)D	224	NC
SB-A1TEMP(2.5-3)	219	NC
SB-A1TEMP(2-2.5)	1220	NC
SB-A1TEMP(6-7)	55	51.7
SB-A2TEMP(1-2)	511	525
SB-A2TEMP(2-3)	767	NC
SB-A2TEMP(3-4)	114	NC
SB-A3TEMP(11-12)	25	NC
SB-A3TEMP(2-3)	193	207
SB-A3TEMP(3-4)	532	NC
SB-A3TEMP(3-4)	427	NC
SB-A3TEMP(6-7)	25	NC
SB-A3TEMP(9-10)	25	NC
SB-WB8(1-2)	2280	1690
SB-WB8(2-3)	3390	NC
SB-WB8(5-6)	252	NC
SB-WB8(7-8)	25	NC
SB-WE6(1.5-2)	29	15.6
SB-WE6(1-1.5)	71	NC
SB-WE6(3-4)	674	691
SB-WE6(3-4)D	693	717
SB-WE6(5-6)	75	NC
SB-WE6(7-8)	25	NC
SB-WE6(7-8)	25	NC
SB-WF3(1-2)	2150	3140
SB-WF3(2-3)	445	NC
SB-WF3(5-6)	49	NC
SB-WF3(5-6)D	43	NC
SB-WF3(5-6)D	37	NC

Sample Location	XRF Screening Result	Laboratory Result
SB-WF3(7-8)	25	NC
SB-WF9(2-3)	538	NC
SB-WF9(5-6)	120	98.7
SB-WF9(6-7)	25	NC
SB-WH2(2-3)	2430	NC
SB-WH2(3-4)	1780	1660
SB-WH2(3-4)D	1260	NC
SB-WH2(5-6)	58	NC
SB-WH8(1-2)	2580	3410
SB-WH8(1-2)	2240	NC
SB-WH8(1-2)D	2260	NC
SB-WH8(2-3)	1590	NC
SB-WH8(3-4)	153	NC
SB-WH8(4-5)	549	NC
SB-WH8(6-7)	25	NC
SB-WIF(1-2)	77	NC
SB-WIF(2-3)	520	NC
SB-WIF(2-3)D	1180	NC
SB-WIF(3-4)	120	NC
SB-WIF(4-5)	1210	1320
SB-WIF(5-6)	87	NC
SB-WIF(5-6)	73	NC
SB-WIF(5-6)D	52	NC
SB-WX15(1-2)	6320	14900
SB-WX15(2-3)	2120	NC
SB-WX15(3-4)	1090	1040
SB-WX15(3-4)	998	NC
SB-WX5(2-3)	8070	11000
SB-WX5(3-4)	3740	NC
SB-WX5(5-6)	48	NC

Depth interval from where sample collected in each boring presented in parentheses.

'NC' indicates sample for laboratory analysis was not collected.

TABLE 7
SUBSURFACE SOIL SAMPLES
SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED ABOVE REPORTING LIMITS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

	SB-A3TEMP							
Depth:	6-7		9-10		11-12		11-12 Dup.	
Compound	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
Methylene Chloride	U	1600	138	116	U	5950	U	5950
Toluene	U	1600	U	116	79000	5950	14000	5950
Ethylbenzene	5860	1600	301	116	45000	5950	23200	5950
p&m-Xylene	6190	3210	648	233	178000	11900	88800	11900
o-Xylene	U	1600	88.5 J	116	73800	5950	30600	5950
Isopropylbenzene	3050	1600	67.8 J	116	5980	5950	3100 J	5950
n-Propylbenzene	12000	1600	266	116	20800	5950	10800	5950
1,3,5-Trimethylbenzene	U	1600	206	116	34500	5950	18700	5950
1,2,4-Trimethylbenzene	47800	1600	1650	116	124000	5950	66800	5950
p-Isopropyltoluene	1240 J	1600	U	116	U	5950	U	5950
Naphthalene	7270	1600	359	116	21800	5950	7130	5950

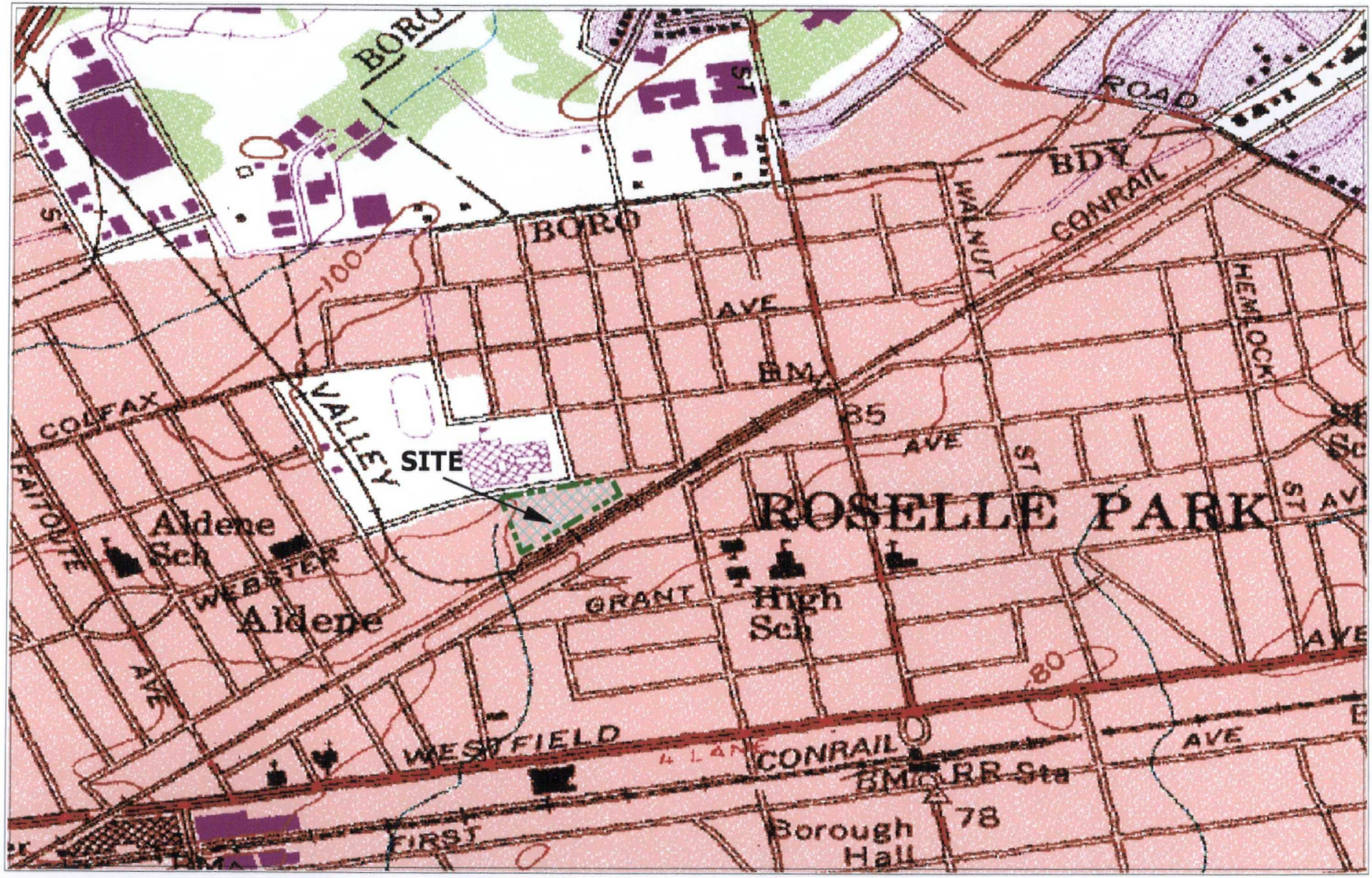
All results presented in micrograms per kilogram (mg/kg).

Only compounds detected above the reporting limit (RL) presented in this table.

Figures

FIGURES

Roselle Park Youth Baseball Fields Site
Trip Report
March 2006



Map creation date: March 2006

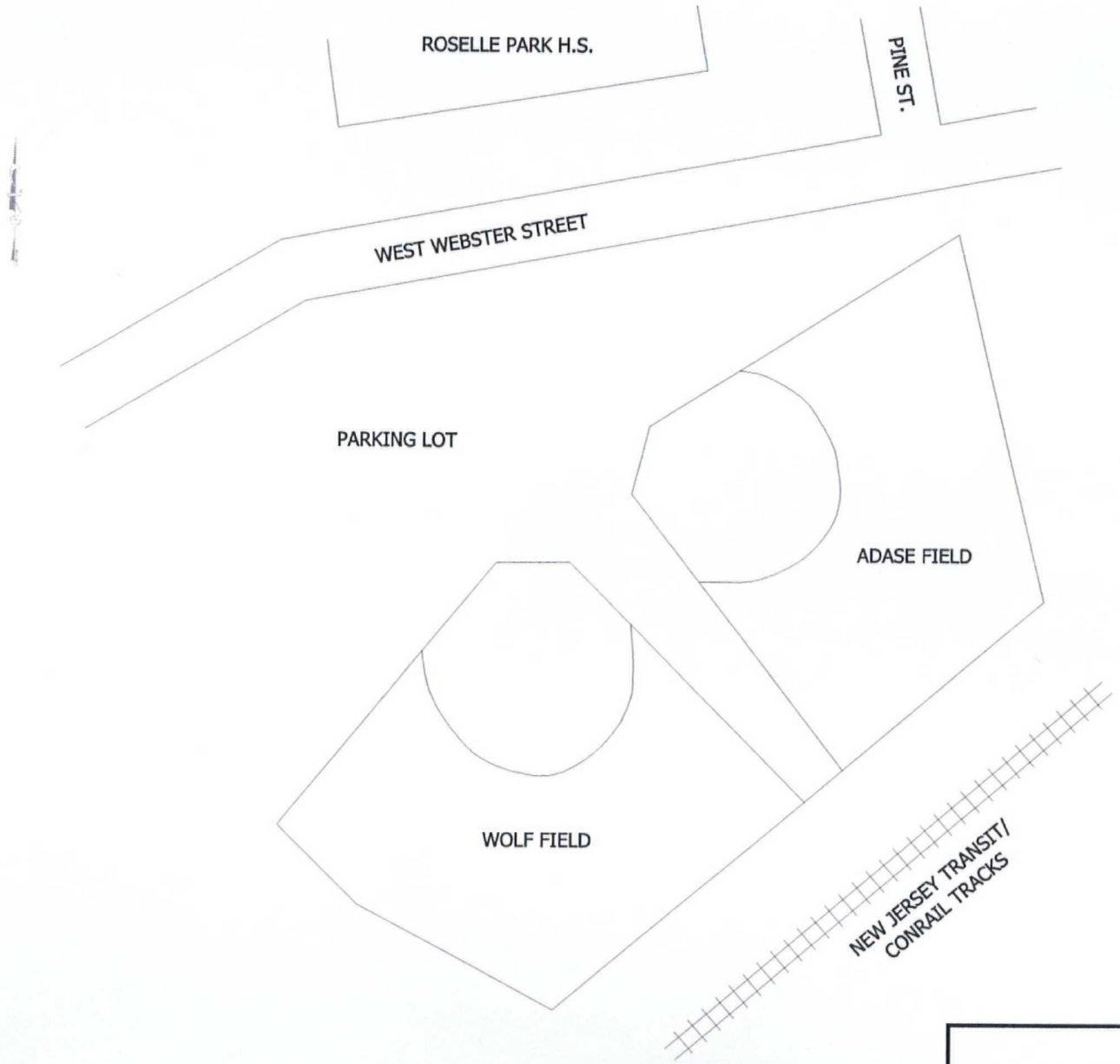
N
W E
S

1,100 0 1,100 2,200 Feet

Data: G:/arcViewprojects/REAC4/00-161
MXD File: G:/ArcInfoprojects/REAC4/EAC00161_Roselle_Park/161_Siteloc_F!

U.S. EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-04-032
W.A. # 0-161

Figure 1
Site Location Map
Roselle Park Youth Baseball Fields
Roselle Park, New Jersey



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EP-C-04-032
W.A.# 0 - 161

FIGURE 2
SITE SKETCH
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE2.DWG

LEGEND

W-F4 — SOIL GAS SAMPLE LOCATION

- ⊗ TEDLAR BAG
- ○ SUMMA CANISTER
- ● TEDLAR AND SUMMA

NOT TO SCALE

NOTE: THE TEDLAR BAG SAMPLE COLLECTED FROM LOCATION W-J1 WAS NOT ANAYLZED BY THE LABORATORY DUE TO AN INSUFFICIENT COLLECTION VOLUME OF SOIL GAS.

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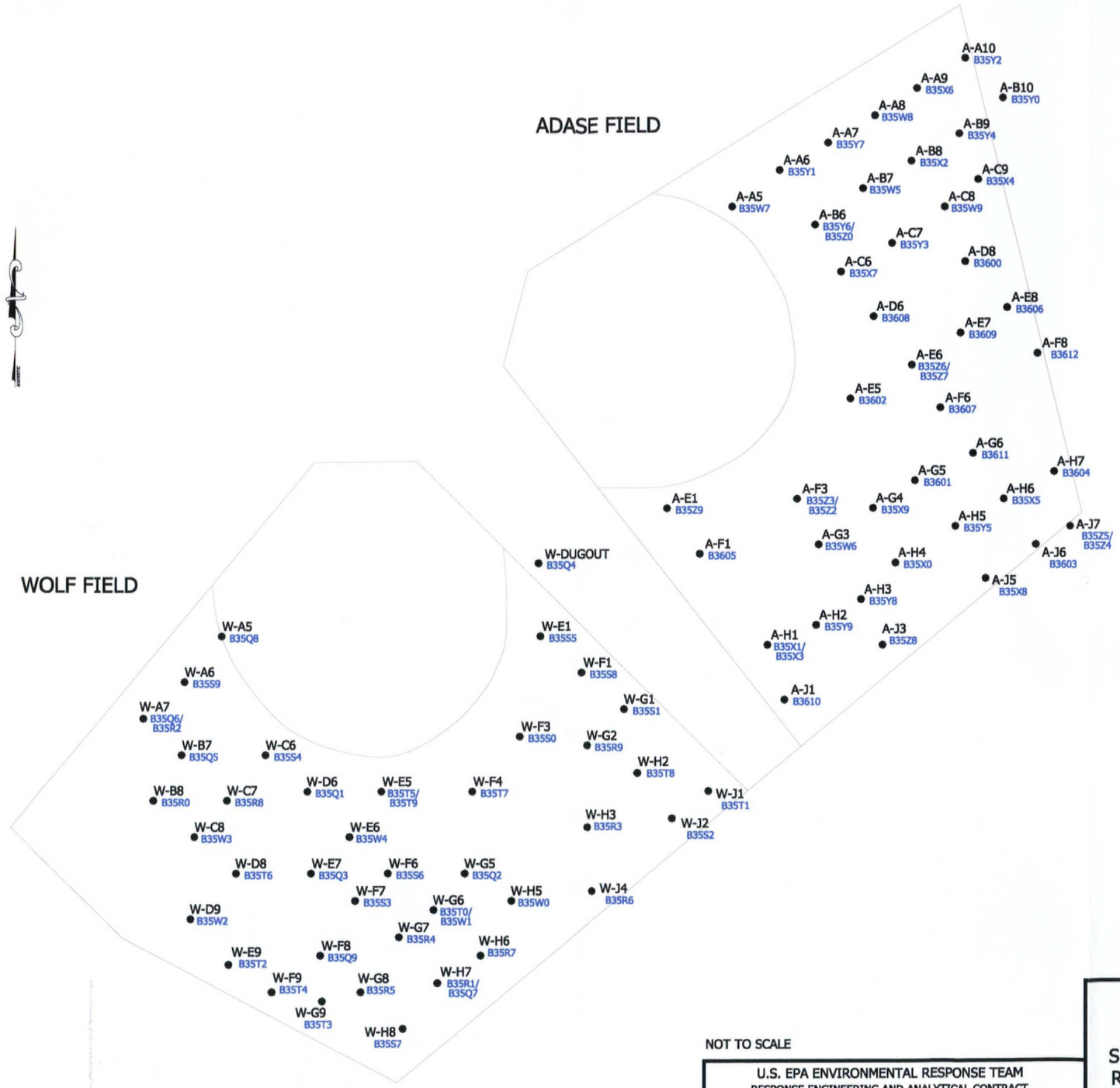
FIGURE 3
SOIL GAS SAMPLE LOCATION MAP
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE3.DWG



LEGEND

W-F4 — SAMPLE LOCATION
B35T7 — CLP SAMPLE NUMBER

NOT TO SCALE

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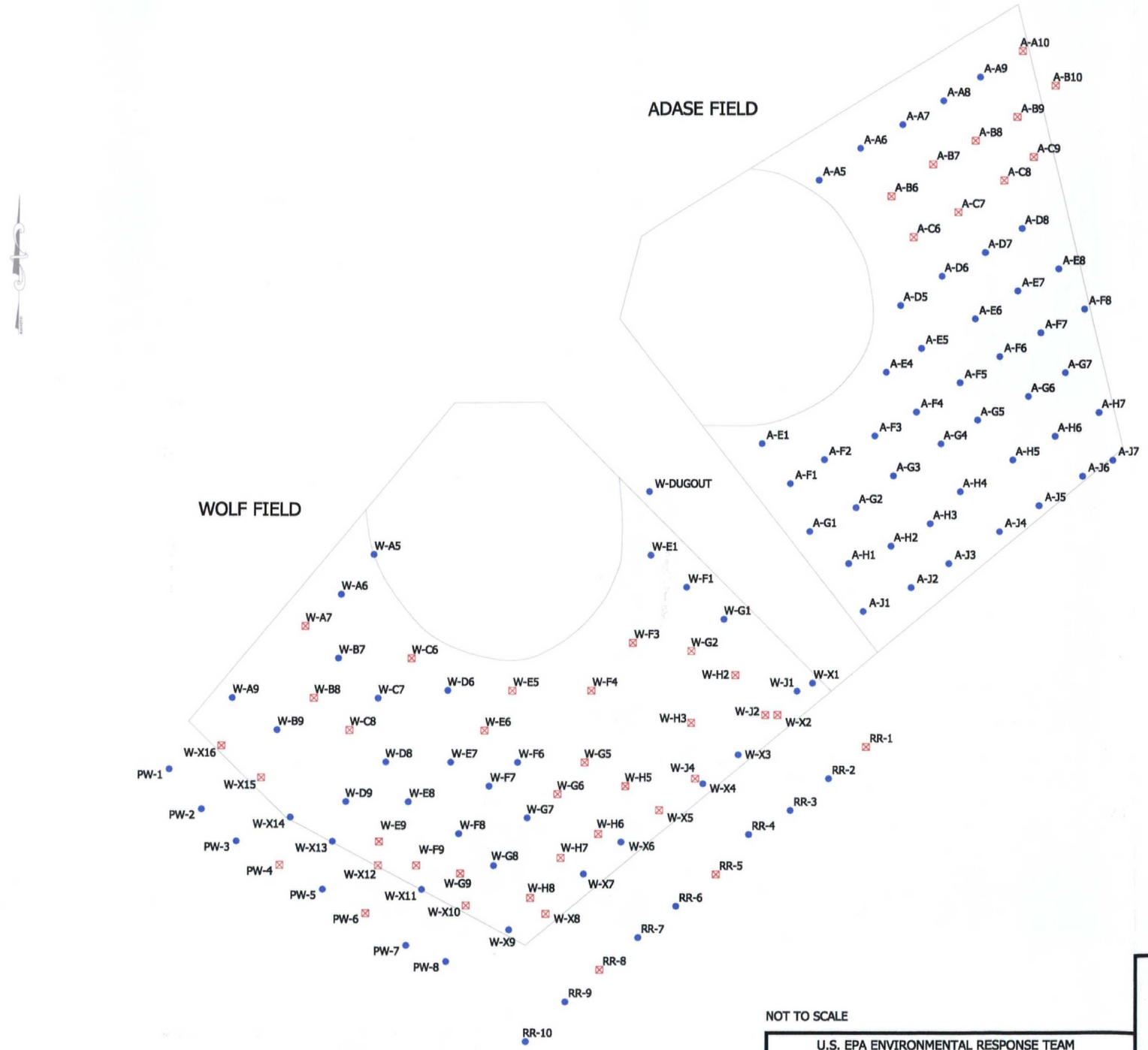
W.A.# 0 - 161

FIGURE 4
SURFACE SOIL SAMPLE LOCATION MAP
SEMIVOLATILE ORGANIC COMPOUND ANALYSIS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE4.DWG



NOT TO SCALE

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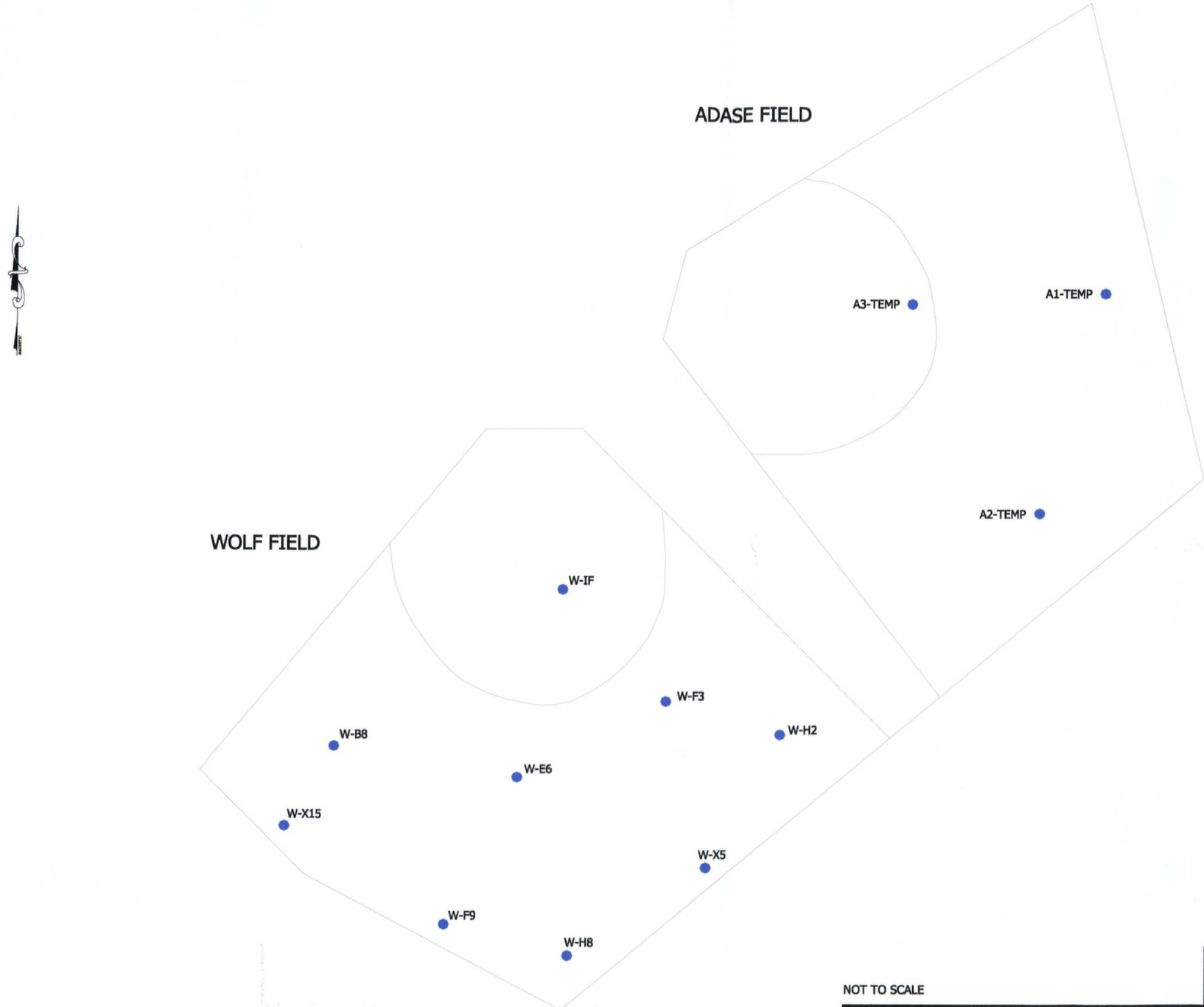
W.A.# 0 - 161

FIGURE 5
SURFACE SOIL SAMPLE LOCATION MAP
LEAD X-RAY FLUORESCENCE SCREENING AND
TOTAL ANALYTE LIST METALS ANALYSIS
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURES.DWG



LEGEND

W-F4 — SUBSURFACE SOIL (SOIL BORING) SAMPLE LOCATION

NOT TO SCALE

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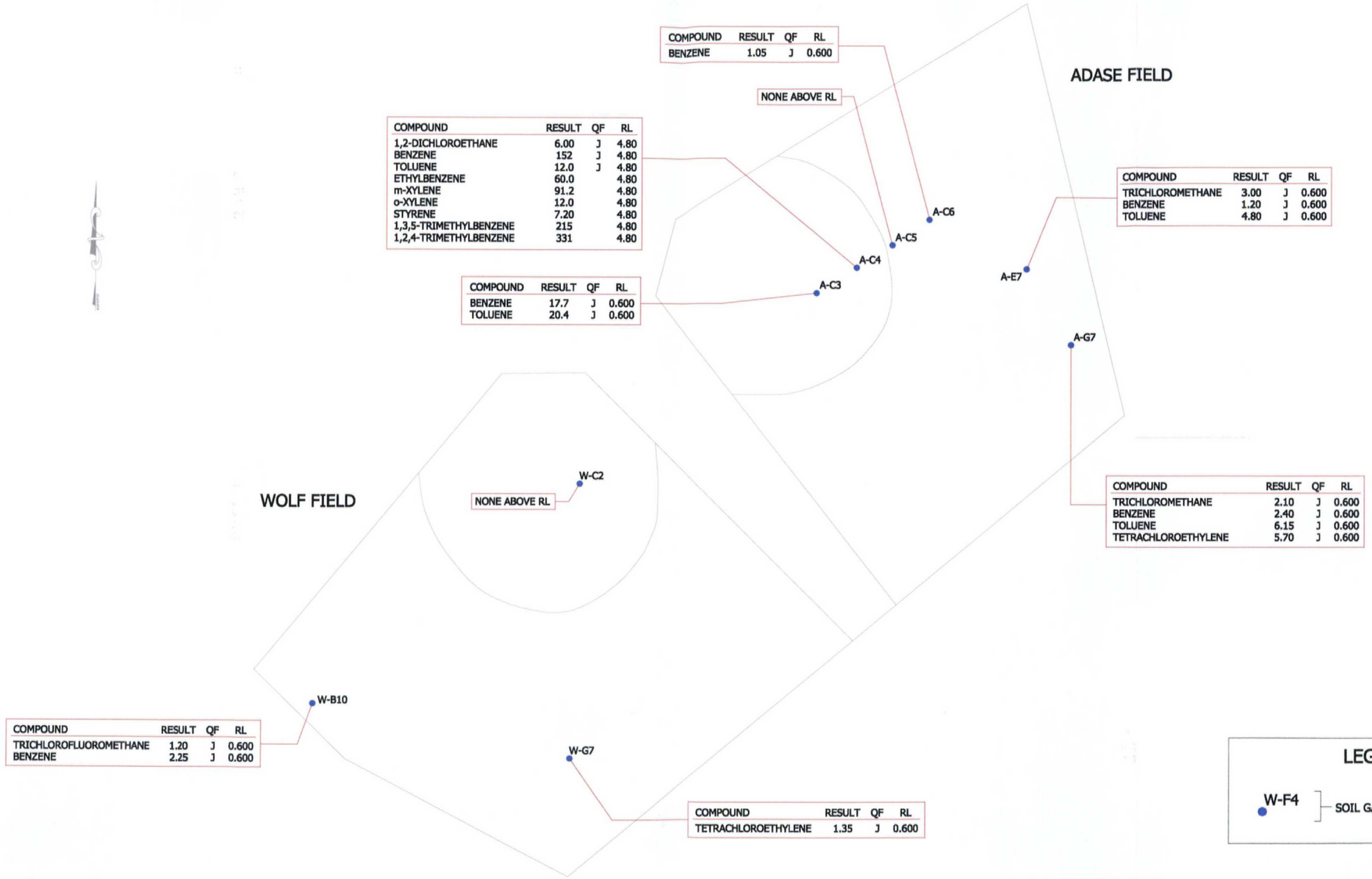
FIGURE 6
SUBSURFACE SOIL SAMPLE LOCATION MAP
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE6.DWG



COMPOUND	RESULT	QF	RL
BENZENE	1.05	J	0.600

COMPOUND	RESULT	QF	RL
1,2-DICHLOROETHANE	6.00	J	4.80
BENZENE	152	J	4.80
TOLUENE	12.0	J	4.80
ETHYLBENZENE	60.0		4.80
m-XYLENE	91.2		4.80
o-XYLENE	12.0		4.80
STYRENE	7.20		4.80
1,3,5-TRIMETHYLBENZENE	215		4.80
1,2,4-TRIMETHYLBENZENE	331		4.80

COMPOUND	RESULT	QF	RL
BENZENE	17.7	J	0.600
TOLUENE	20.4	J	0.600

COMPOUND	RESULT	QF	RL
TRICHLOROMETHANE	3.00	J	0.600
BENZENE	1.20	J	0.600
TOLUENE	4.80	J	0.600

COMPOUND	RESULT	QF	RL
TRICHLOROMETHANE	2.10	J	0.600
BENZENE	2.40	J	0.600
TOLUENE	6.15	J	0.600
TETRACHLOROETHYLENE	5.70	J	0.600

COMPOUND	RESULT	QF	RL
TRICHLOROFLUOROMETHANE	1.20	J	0.600
BENZENE	2.25	J	0.600

COMPOUND	RESULT	QF	RL
TETRACHLOROETHYLENE	1.35	J	0.600

LEGEND

W-F4 — SOIL GAS SAMPLE LOCATION

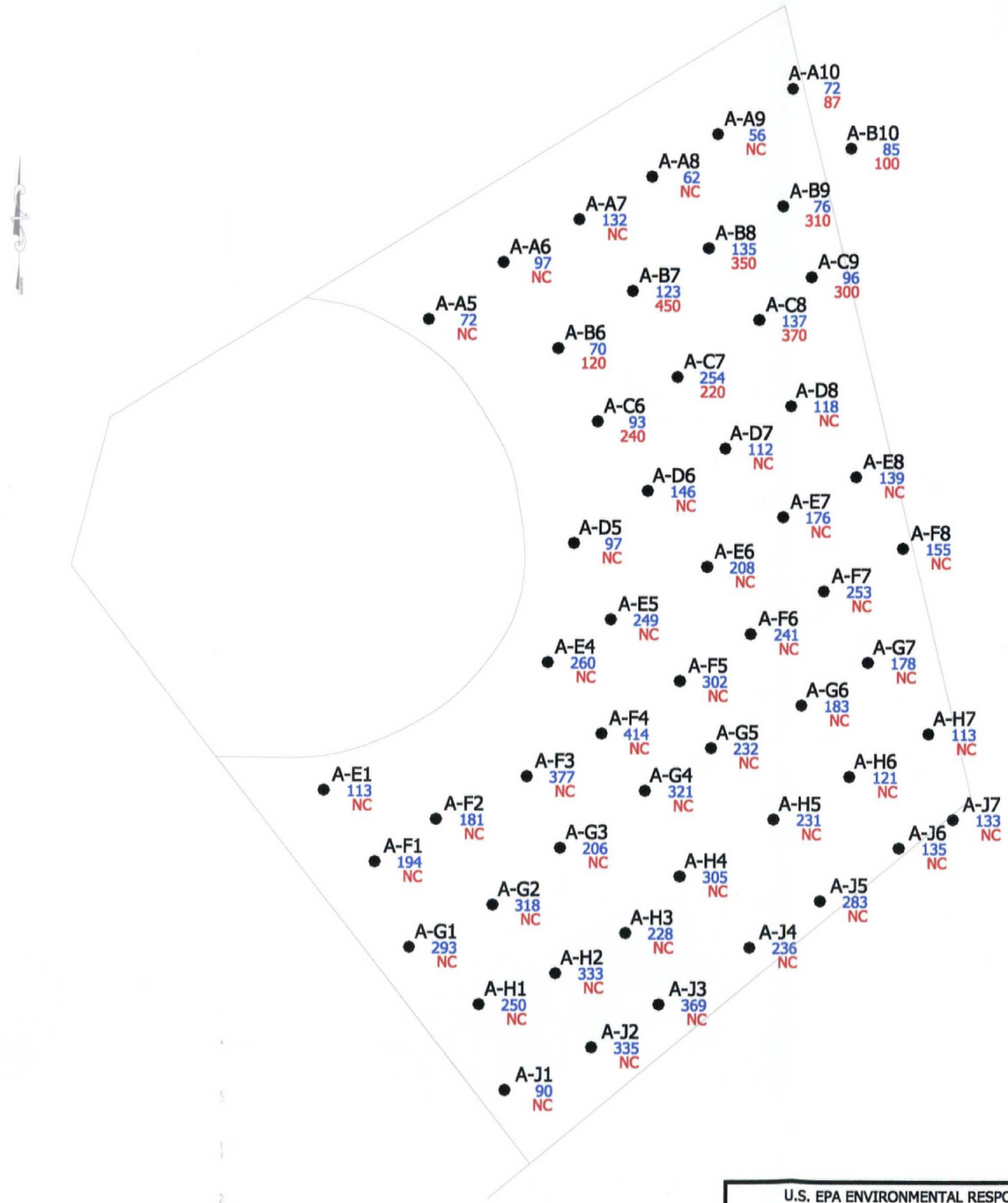
QF = LABORATORY QUALIFIER
J = VALUE ESTIMATED
RL = REPORTING LIMIT

NOT TO SCALE

U.S. EPA ENVIRONMENTAL RESPONSE TEAM
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
EP-C-04-032
W.A.# 0 - 161

FIGURE 7
ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
SOIL GAS (SUMMA CANISTER) SAMPLING
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

R:\GEO\161 ROSELLE PARK\MAPS\FIGURE7.DWG



LEGEND

A-C7 — SAMPLE LOCATION
254 — XRF RESULT
220 — LABORATORY RESULT

NC = NOT COLLECTED

ALL RESULTS IN mg/kg

REPORTING LIMIT FOR ALL XRF ANALYSES WAS 25 mg/kg

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FIGURE 8
ANALYTICAL RESULTS - LEAD
SURFACE SOIL SAMPLING
X-RAY FLUORESCENCE SCREENING AND LABORATORY ANALYSIS
ADASE FIELD
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE8.DWG

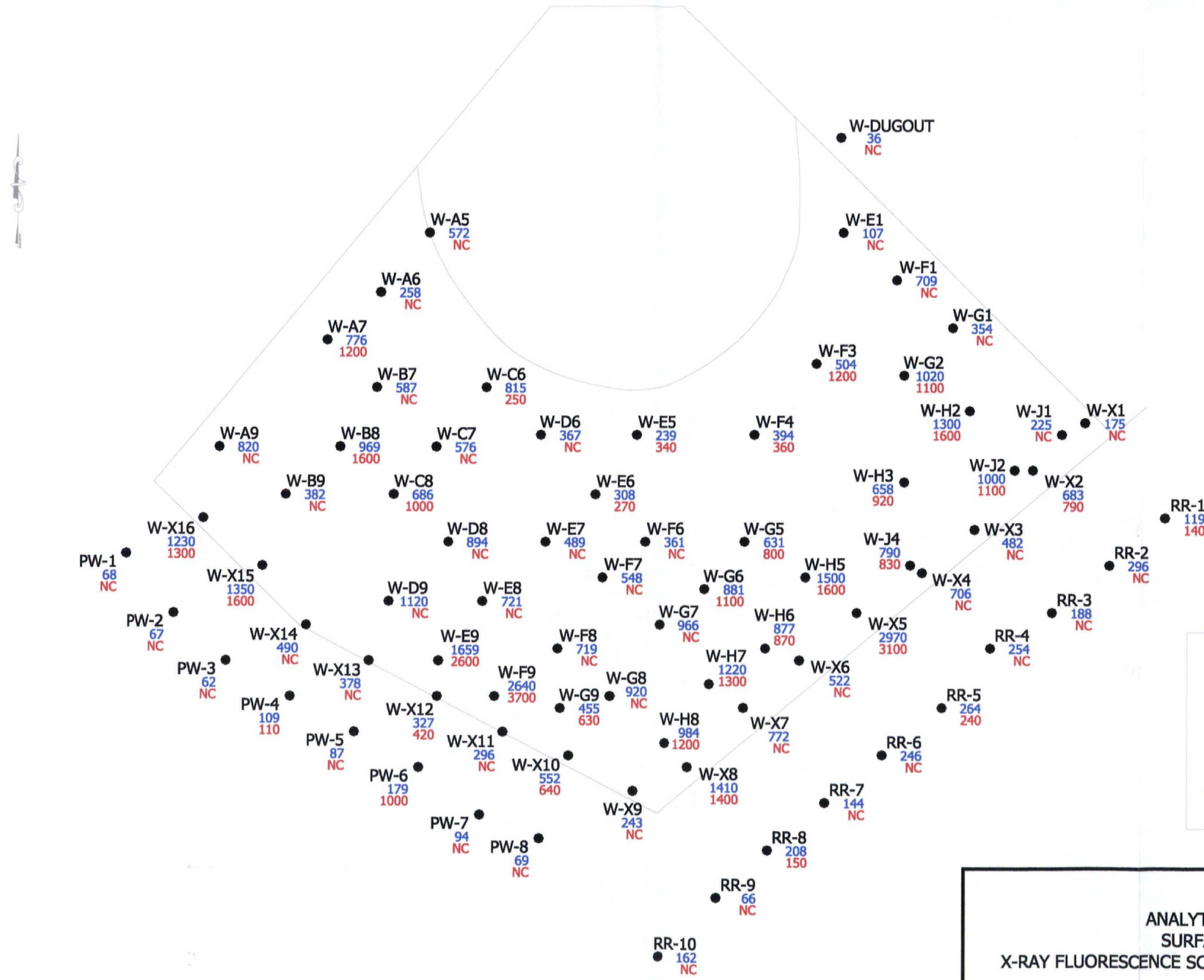

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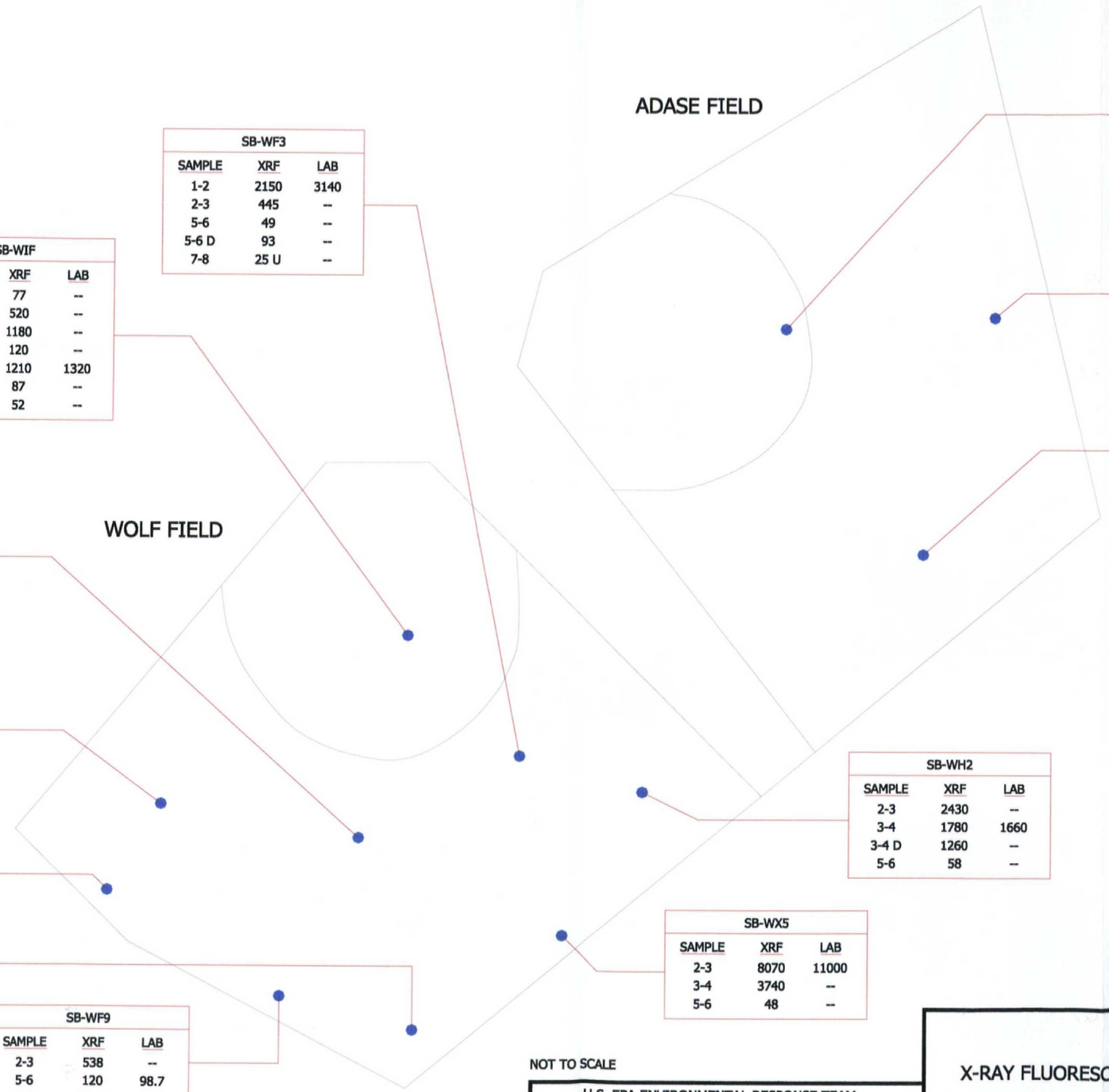
FIGURE 9
ANALYTICAL RESULTS - LEAD
SURFACE SOIL SAMPLING
X-RAY FLUORESCENCE SCREENING AND LABORATORY ANALYSIS
WOLF FIELD
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE9.DWG



SB-WF3		
SAMPLE	XRF	LAB
1-2	2150	3140
2-3	445	--
5-6	49	--
5-6 D	93	--
7-8	25 U	--

SB-WIF		
SAMPLE	XRF	LAB
1-2	77	--
2-3	520	--
2-3 D	1180	--
3-4	120	--
4-5	1210	1320
5-6	87	--
5-6 D	52	--

SB-WE6		
SAMPLE	XRF	LAB
1-1.5	71	--
1.5-2	29	15.6
3-4	674	691
3-4 D	693	717
5-6	75	--
7-8	25 U	--

SB-WB8		
SAMPLE	XRF	LAB
1-2	2280	1690
2-3	3390	--
5-6	252	--
7-8	25 U	--

SB-WX15		
SAMPLE	XRF	LAB
1-2	6320	--
2-3	2120	--
3-4	1090	1040

SB-WH8		
SAMPLE	XRF	LAB
1-2	2580	3410
1-2 D	2260	--
2-3	1590	--
3-4	153	--
4-5	549	--
6-7	25 U	--

SB-WF9		
SAMPLE	XRF	LAB
2-3	538	--
5-6	120	98.7
6-7	25 U	--

SB-A3TEMP		
SAMPLE	XRF	LAB
2-3	193	207
3-4	532	--
6-7	25 U	--
9-10	25 U	--
11-12	25 U	--

SB-A1TEMP		
SAMPLE	XRF	LAB
1-2	390	--
1-2 D	224	--
2-2.5	1220	--
6-7	55	51.7

SB-A2TEMP		
SAMPLE	XRF	LAB
1-2	511	525
2-3	767	--
3-4	114	--

SB-WH2		
SAMPLE	XRF	LAB
2-3	2430	--
3-4	1780	1660
3-4 D	1260	--
5-6	58	--

SB-WX5		
SAMPLE	XRF	LAB
2-3	8070	11000
3-4	3740	--
5-6	48	--

LEGEND

● SUBSURFACE SOIL (SOIL BORING) SAMPLE LOCATION

BORING ID

SB-WF3		
SAMPLE	XRF	LAB
1-2	2150	3140

LABORATORY LEAD RESULT

XRF LEAD SCREENING RESULT

SAMPLE ID/DEPTH INTERVAL

-- = ANALYSIS NOT CONDUCTED

U = LEAD NOT DETECTED ABOVE REPORTING LIMIT

NOT TO SCALE

U.S. EPA ENVIRONMENTAL RESPONSE TEAM
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
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FIGURE 10
ANALYTICAL RESULTS - LEAD
X-RAY FLUORESCENCE SCREENING AND LABORATORY ANALYSIS
SUBSURFACE SOIL SAMPLING
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW JERSEY

I:\GEO\161 ROSELLE PARK\MAPS\FIGURE10.DWG

Appendix A

APPENDIX A

Soil Boring Logs
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

LOCKHEED MARTIN

BORING/WELL ID: SB-WB8

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		MEDIUM BROWN SILT LOAM (TOPSOIL AND SOD), RED BRICK PIECES LOCALLY PRESENT	
1		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES MIXED WITH MEDIUM BROWN, FINE TO MEDIUM SAND	SB-WB8(1-2)
2	23/48		SB-WB8(2-3)
3			
4			
5		DARK GRAY CLAY GRADING TO LOCALLY MOTTLED MEDIUM GRAY SILTY CLAY NEAR BASE OF INTERVAL	SB-WB8(5-6)
6	44/48		
7		REDDISH-BROWN, SILTY, FINE TO MEDIUM SAND	SB-WB8(7-8)
8		REDDISH-BROWN, MOIST, GRAVELLY CLAY	
9			
10	46/48		
11			
12		END OF BORING @ 12 FEET.	

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WB8.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WE6

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
1		REDDISH-BROWN FINE TO MEDIUM SAND, SOME GRAVEL, SOME CLAY	SB-WE6(1-1.5)
	37/48	BLACK COAL, WHITE ASH (PRESUMABLY FILL MATERIAL)	SB-WE6(1.5-2)
2		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES MIXED WITH MEDIUM BROWN, FINE TO MEDIUM SAND	
3			SB-WE6(3-4) / SB-WE6(3-4)D
4			
5			
6	46/48	DARK GRAY SILTY CLAY GRADING TO LOCALLY MOTTLED LIGHT GRAY CLAY NEAR BASE OF INTERVAL	SB-WE6(5-6)
7		REDDISH-BROWN, SILTY FINE SAND, LITTLE GRAVEL	SB-WE6(7-8)
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WE6.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WF3

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
1		BLACK COAL, WHITE ASH, YELLOWISH-BROWN SILT, GLASS PIECES	SB-WF3(1-2)
2	16/48	BLACK COAL, WHITE ASH (PRESUMABLY FILL MATERIAL)	SB-WF3(2-3)
3			
4			
5		DARK GRAY SILTY CLAY	
6	39/48		SB-WF3(5-6)
7		REDDISH-BROWN, SILTY FINE SAND	
8			SB-WF3(7-8)
9		END OF BORING @ 8 FEET.	
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

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LOCKHEED MARTIN

BORING/WELL ID: SB-WF9

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
1	17/48	REDDISH-BROWN ANGULAR GRAVEL AND FILL (PIECES OF BLACK COAL, WHITE ASH, RED CLAY BRICK, GLASS, MOLLUSK SHELLS)	
2			SB-WF9(2-3)
3			
		INTERVAL COMPOSED ENTIRELY OF BROKEN GLASS (MAY HAVE BEEN BURIED BOTTLE BROKEN DURING ADVANCEMENT OF MACRO-CORE SAMPLER)	
4	37/48	REDDISH-BROWN ANGULAR GRAVEL AND FILL (PIECES OF BLACK COAL, WHITE ASH, RED CLAY BRICK, GLASS, MOLLUSK SHELLS)	
5		MEDIUM BROWN, MOIST, SANDY SILT	SB-WF9(5-6)
6		BLUISH-GRAY, LOCALLY MOTTLED, SILTY CLAY	SB-WF9(6-7)
7		REDDISH-BROWN, SILTY FINE TO MEDIUM SAND	
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WF9.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WH2

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
1		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES MIXED WITH MEDIUM BROWN, FINE TO MEDIUM SAND	
2	21/48		SB-WH2(2-3)
3		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES	SB-WH2(3-4) / SB-WH2(3-4)D
4			
5		LIGHT BROWN AND GRAY SILTY CLAY, GRADING TO REDDISH-BROWN SILTY FINE SAND	
6	42/48		SB-WH2(5-6)
7		REDDISH-BROWN SILTY FINE SAND	
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\181 ROSELLE PARK\LOGS\SB-WH2.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WH8

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		MEDIUM BROWN SILT LOAM (TOPSOIL AND SOD)	
1	29/48	VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES MIXED WITH MEDIUM BROWN, FINE TO MEDIUM SAND	SB-WH8(1-2) / SB-WH8(1-2)D
2			SB-WH8(2-3)
3		UNSORTED, PINK GRAVEL AND LIGHT BROWN FINE TO COARSE SAND	SB-WH8(3-4)
4	32/48	MEDIUM BROWN, MOIST, SANDY SILT, TRACE WHITE ASH	SB-WH8(4-5)
5		LIGHT BROWN, LOCALLY MOTTLED SILTY CLAY	
6		BLUISH-GRAY CLAYEY SILT	SB-WH8(6-7)
7			
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WH8.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WIF

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Skianey
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		LIGHT BROWN MEDIUM SAND (INFIELD)	
1		BLACK COAL, WHITE ASH, YELLOWISH-BROWN SILT, GLASS PIECES MIXED WITH MEDIUM BROWN FINE TO COARSE SAND	SB-WIF(1-2)
2	27/48		SB-WIF(2-3) / SB-WIF(2-3)D
3			SB-WIF(3-4)
4			SB-WIF(4-5)
5		LIGHT BROWN AND GRAY SILTY CLAY, GRADING TO REDDISH-BROWN SILTY FINE SAND	SB-WIF(5-6) / SB-WIF(5-6)D
6	41/48		
7		REDDISH-BROWN, SILTY FINE SAND	SB-WIF7-8)
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.
2. SAMPLES SB-WIF(2-3) AND SB-WIF(2-3)D COMPRISE A FIELD DUPLICATE PAIR.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WIF.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WX5

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
1		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES MIXED WITH MEDIUM BROWN, FINE TO MEDIUM SAND	
2	24/48		SB-WX5(2-3)
3		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES	SB-WX5(3-4)
4			
5		MEDIUM GRAY SILTY CLAY	
6	47/48	LIGHT REDDISH-BROWN SILTY FINE SAND	SB-WX5(5-6)
7		REDDISH-BROWN FINE TO MEDIUM SAND, TRACE CLAY	
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WX5.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-WX15

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0	26/48	PALE RED SILT LOAM (TOPSOIL AND SOD)	
1		PIECES OF BLACK COAL, WHITE ASH, RED CLAY BRICK, GLASS	SB-WX15(1-2)
2		MEDIUM BROWN CLAYEY SILT, TRACE WHITE ASH	SB-WX15(2-3)
3		BRIGHT ORANGE-RED BRICK, WHITE ASH, BLACK COAL (FILL)	SB-WX15(3-4)
4	48/48	MEDIUM BROWN, MOIST, CLAYEY SILT, SOME WHITE ASH	
5		DARK GRAY CLAY, GRADES TO LIGHT BROWN, LOCALLY MOTTLED FINE SAND NEAR BASE OF INTERVAL	
6			
7		REDDISH-BROWN, GRAVELLY AND SILTY FINE TO MEDIUM SAND	
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-WX15.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-A1TEMP

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sklaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
1		REDDISH-BROWN SILTY FINE TO MEDIUM SAND WITH FINE GRAVEL PRESENT LOCALLY, TRACE BLACK COAL	SB-A1TEMP(1-2) / SB-A1TEMP(1-2)D
2	40/48	LIGHT BROWN, WELL-SORTED MEDIUM SAND	SB-A1TEMP(2-2.5)
		MEDIUM BROWN, MOIST, CLAYEY SILT	SB-A1TEMP(2.5-3)
3		LIGHT BROWN SANDY GRAVEL	
4			
5		REDDISH-BROWN SILTY FINE TO MEDIUM SAND	
6	41/48		SB-A1TEMP(6-7)
7			
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-A1TEMP.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-A2TEMP

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Sidaney
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		PALE RED SILT LOAM (TOPSOIL AND SOD)	
		REDDISH-BROWN SILTY FINE TO MEDIUM SAND, SOME CERAMIC PIECES	
1		BLACK COAL, WHITE ASH, "RUSTY" YELLOWISH-BROWN SOIL-LIKE MATERIAL	SB-A2TEMP(1-2)
2	33/48		SB-A2TEMP(2-3)
3		MEDIUM BROWN, MOIST, CLAYEY SILT	SB-A2TEMP(3-4)
4			
5			
6	42/48	REDDISH-BROWN SILTY FINE TO MEDIUM SAND	
7			
8		END OF BORING @ 8 FEET.	
9			
10			
11			
12			

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-A2TEMP.DWG

LOCKHEED MARTIN

BORING/WELL ID: SB-A3TEMP

CLIENT:	U.S. EPA Environmental Response Team	**SUBCONTRACTOR:**	N/A	**DATE:**	10/24/05
PROJECT:	Roselle Park Youth Fields	**RIG:**	Geoprobe Model 6620DT	**SHEET NO.:**	1 OF 1
LOCATION:	Roselle Park, Union Co., NJ	**OPERATOR:**	B. Pullen	**INSPECTOR:**	C. Skianey
JOB NO.:	EAC4-0-EAC00161				

DEPTH (FEET)	REC. (Rec/48 in.)	TEXTURAL DESCRIPTION	SAMPLES
0		YELLOWISH-BROWN MEDIUM SAND (INFIELD)	
1			
2	42/48	REDDISH-BROWN, POORLY SORTED, SILTY FINE TO COARSE SAND AND FINE GRAVEL	SB-A3TEMP(2-3)
3		VARIEGATED, UNSORTED BLACK COAL, WHITE ASH, GLASS AND METAL PIECES MIXED WITH MEDIUM BROWN, FINE TO MEDIUM SAND	SB-A3TEMP(3-4)
4			
5		BLACK CLAY, APPEARS STAINED FROM ORIGINAL DARK GRAY COLOR; ORGANIC MATERIAL (WOOD) LOCALLY PRESENT	
6	22/48		SB-A3TEMP(6-7)
7		DARK GRAY CLAY; PETROLEUM ODOR	
8			
9			SB-A3TEMP(9-10)
10	47/48	REDDISH-BROWN, MOIST, WELL-SORTED FINE SAND, WITH REDDISH-BROWN, WELL-SORTED COARSE SAND FROM 10.5-11.3 FT; PETROLEUM ODOR DETECTED	
11			SB-A3TEMP(11-12) / SB-A3TEMP(11-12)D
12		END OF BORING @ 12 FEET.	

NOTES:

1. MACRO-CORE, 4-FOOT LENGTH SAMPLING SYSTEM USED.
2. SAMPLES FROM THE FOLLOWING INTERVALS ADDITIONALLY SUBMITTED FOR VOC ANALYSIS: 6-7, 9-10, 11-12
3. NO PHOTOIONIZATION DETECTOR READINGS RECORDED ABOVE BACKGROUND

R:\GEOGROUP\161 ROSELLE PARK\LOGS\SB-A3TEMP.DWG

Appendix B

APPENDIX B

Photographic Documentation Log
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

PHOTOGRAPHIC DOCUMENTATION LOG
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW YORK

Photograph 1. View of Adase Field left field, looking west.

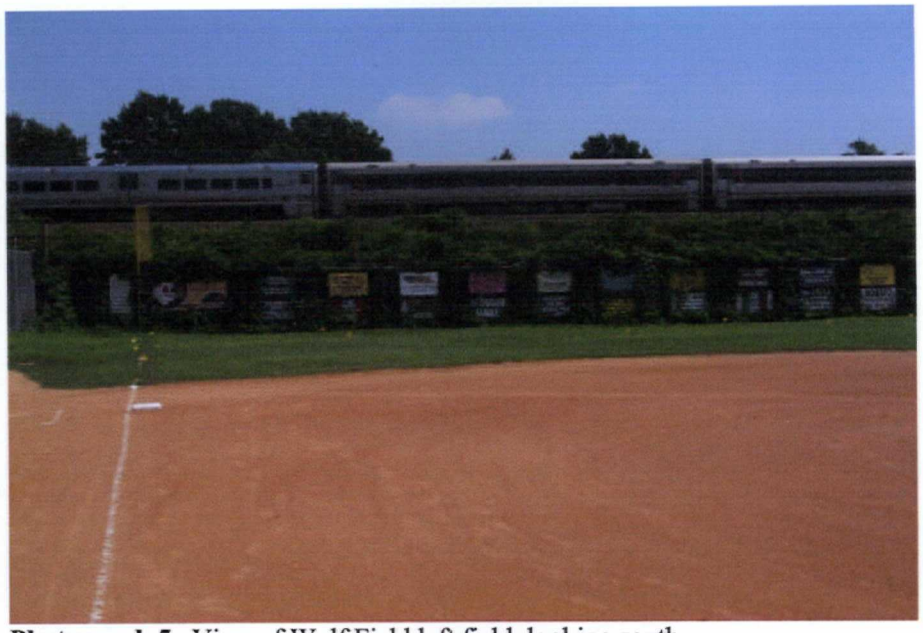
Photograph 2. View of Adase Field right field, looking southwest.

PHOTOGRAPHIC DOCUMENTATION LOG
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW YORK

Photograph 3. View of Adase Field centerfield, looking south.

Photograph 4. View of Adase Field right field, looking south. Photograph taken from the vicinity of second base. Pin flag designating sampling location A3-TEMP in foreground.

PHOTOGRAPHIC DOCUMENTATION LOG
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW YORK

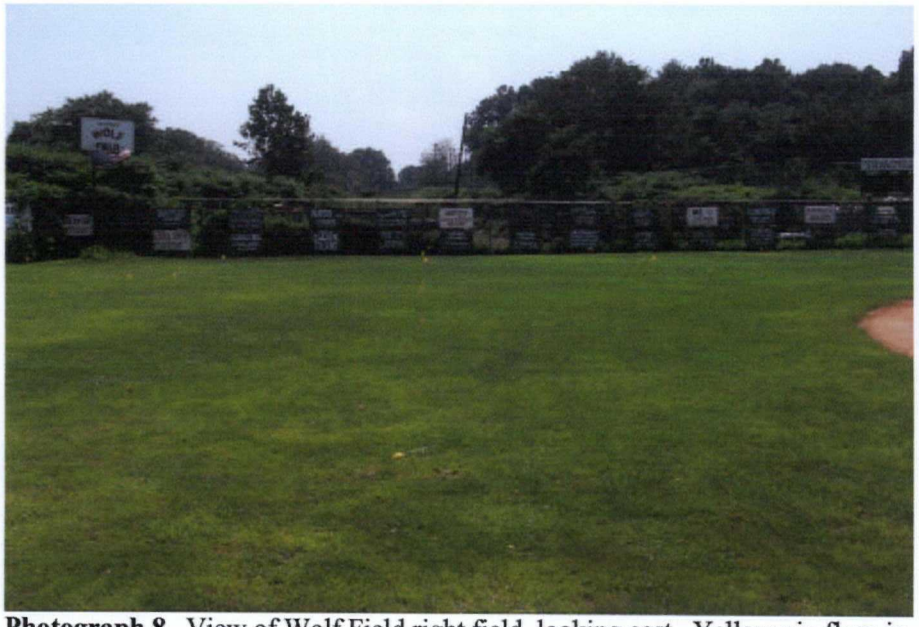


Photograph 5. View of Wolf Field left field, looking south.

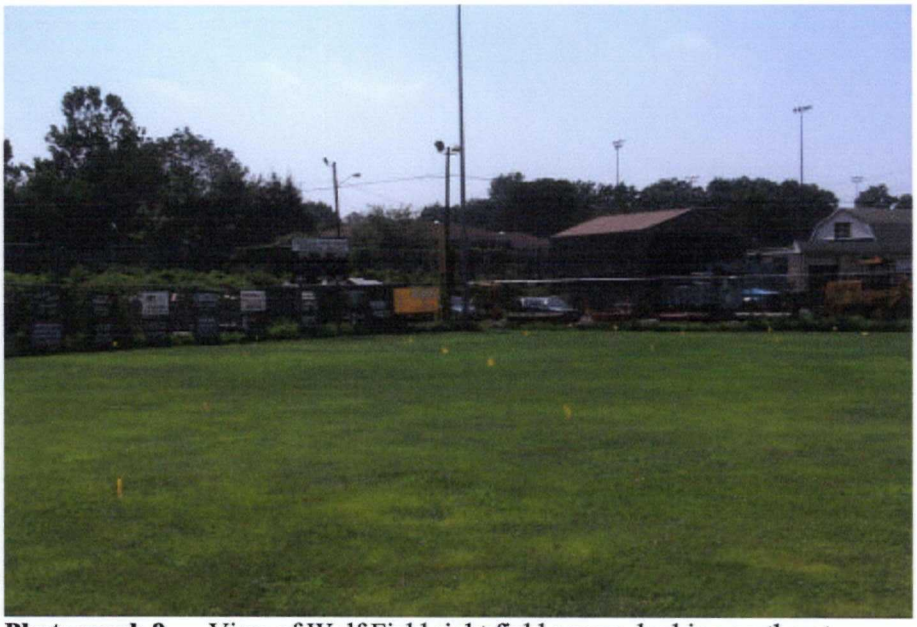
Photograph 6. View of Wolf Field center field, looking southeast.

PHOTOGRAPHIC DOCUMENTATION LOG
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW YORK

Photograph 7. View of Wolf Field right field, looking south. Yellow pin flags visible along the right field line comprise Line A.



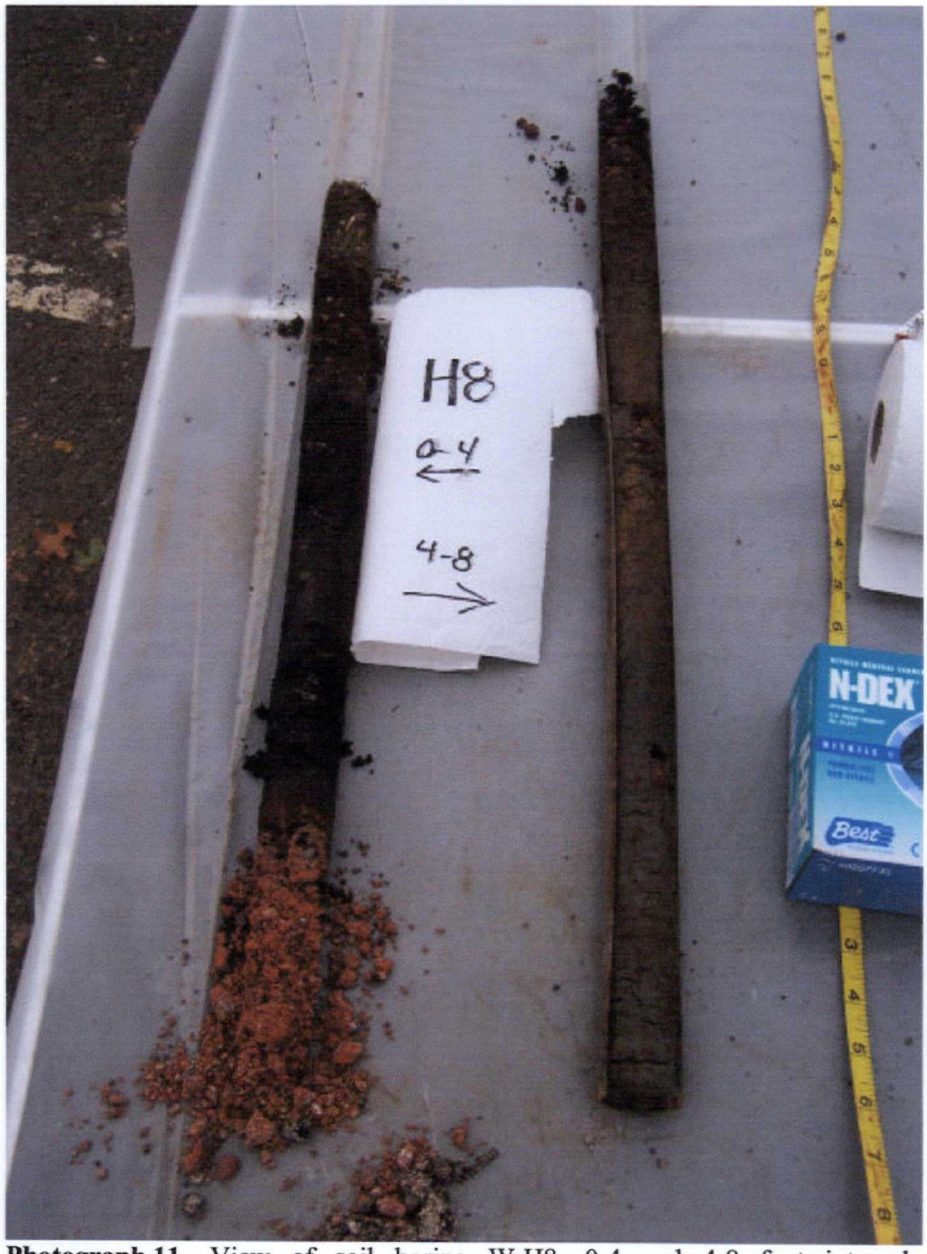
Photograph 8. View of Wolf Field right field, looking east. Yellow pin flags in center of photograph comprise Line F. Photograph taken from left field.



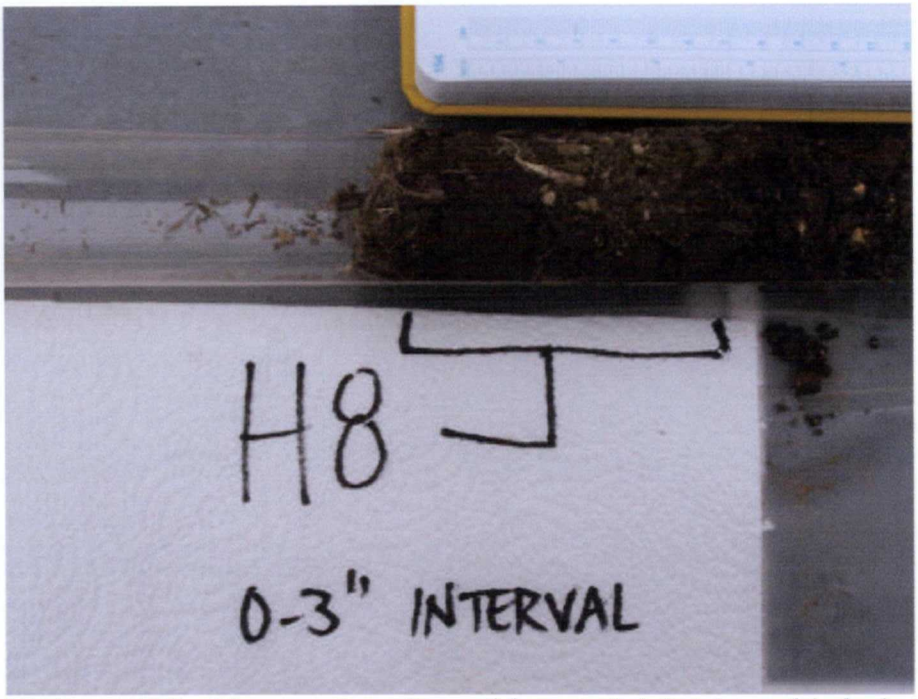
Photograph 9. View of Wolf Field right field corner, looking northeast.

Photograph 10. View of Wolf Field infield, looking north. Roselle Park High School visible in right background. Photograph taken from left field of Wolf Field.

PHOTOGRAPHIC DOCUMENTATION LOG
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW YORK



Photograph 11. View of soil boring W-H8, 0-4 and 4-8 foot interval. Measuring tape on right provides scale. Top of boring of each interval located near top of photograph. Less cohesive material in lower 1 foot of 0-4 foot interval is "pink gravel" described in boring log.



Photograph 12. Close-up view of topsoil layer in 0-4 foot interval in boring W-H8. Note scale on logbook in upper left corner of photograph.

Photograph 13. View of soil boring W-E6, 0-4 foot interval. Measuring tape on left provides scale. Top of boring located near bottom of photograph. Contact between reddish-brown sandy soil and black coal/ash material (near vertical divide in table) is located 1.5 feet below the ground surface.

PHOTOGRAPHIC DOCUMENTATION LOG
ROSELLE PARK YOUTH BASEBALL FIELDS SITE
ROSELLE PARK, NEW YORK

Photograph 14. View of soil boring W-X15, 0-4 (on left) and 4-8 foot interval. Measuring tape on right provides scale. Top of boring located near bottom of photograph. Light brown and reddish-brown mottling present in clay in lower portion of 4-8 foot interval.

Appendix C

APPENDIX C

Geophysical Survey Technical Memorandum
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

LOCKHEED MARTIN

DATE: February 22, 2006

TO: Don Bussey, EPA/ERT Work Assignment Manager

THROUGH: Chris Sklaney, REAC Task Leader
Parry Bhambra, REAC Operations Section Leader

FROM: Gordon Shields, REAC Geophysicist

SUBJECT: FIELD INVESTIGATION, ROSELLE PARK YOUTH BASEBALL FIELDS SITE WORK ASSIGNMENT EAC00161 - TECHNICAL MEMORANDUM

INTRODUCTION

The objective of this trip was to locate possible buried metal and/or hazards to sampling using direct-push equipment at the Roselle Park Youth Baseball Fields Site (site) in Roselle Park, New Jersey (NJ). Lockheed Martin personnel were tasked by the Environmental Protection Agency (EPA) Environmental Response Team (ERT) under the Response Engineering and Analytical Contract (REAC) to perform geophysical surveys.

This Trip Report documents the geophysical surveys performed at the site on July 18, 2006. Preliminary geophysical data, including maps and dig sheets, were presented to the Work Assignment Manager (WAM) prior to the October 2005 subsurface sampling event.

METHODS

Geophysical survey grids were laid out on two baseball fields using tape measures and plastic pin flags. Home plate was used as the grid origin on each field and the survey lines were oriented in accordance to each "diamond." Frequency-domain electromagnetic (EM) and magnetometer methods were used for the geophysical surveys, as described below.

A frequency-domain EM method was used to detect various types of buried metallic objects, also to map bulk changes in subsurface lithology. Survey lines were spaced ten feet apart and data were acquired at an interval of 2.5 feet (ft). The frequency-domain EM survey employed a Geonics® EM31 instrument. The transmitting and receiving coils were configured in a boom-like assembly, balanced on a shoulder harness, and carried over the survey area.

The in-phase and quadrature channel EM31 data were plotted and analyzed using Oasis montaj. Minimum curvature gridding and a linear color contour scale from -2.0 to +10.0 parts per thousand (ppt) were used for the in-phase data. Values between approximately -0.5 and +4.2 ppt were presumed to indicate that no buried metal was present. Minimum curvature gridding and an equal area (or "histogram") color contour scale were used for the quadrature data. The quadrature data were reported in millisiemens per meter (mS/m) and may also be referred to as apparent conductivity or terrain conductivity. Values above 95 ppt were presumed to be an adverse effect of the surrounding metal chain-link fence.

A vertical gradient magnetometer was used to detect ferrous metal objects in the presence of the Earth's natural magnetic field. Survey lines were spaced 20 ft apart and data were acquired at an interval of 5 ft. The magnetometer survey employed a Gem Systems GSM-19 instrument. Two proton-precession sensors were positioned 1 meter (m) apart in the vertical plane on a staff-like assembly. A base-station magnetometer was used to correct all data for diurnal variations.

The vertical magnetic gradient (VMG) and the total magnetic intensity (TMI) data were plotted and analyzed using Oasis montaj. Minimum curvature gridding and a linear scale from -1,000 to +1,000 nanoteslas per meter (nT/m) were used for the VMG data. The TMI data were not reported for either grid because no additional information was indicated.

ACTIVITIES AND OBSERVATIONS

Wolf Grid. The ground was level at the Wold grid, with a clayey infield and a grassy outfield. Approximately 2,700 ft of northerly lines were surveyed with the EM31 terrain conductivity equipment, and approximately 1,500 ft of lines were surveyed with the magnetometer. These data were collected to cover approximately the same ground as the EM31 survey.

The EM31 in-phase data indicate buried metal at several locations in the southwestern part of the grid. An apparent conductivity low was evident in the southeast part of the grid (left field). This may be caused by a lithological change in the soil. Other low apparent conductivity anomalies in the southwestern part of the grid (center field) are probably caused by phase mixing due to the presence of buried metal indicated by the in-phase data. The vertical magnetic gradient provided some confirmatory evidence of buried metal in the southwestern part of the grid. A linear trend is evident in the vertical magnetic gradient data in the northwestern corner of the grid. This was somewhat confirmed with the EM31 apparent conductivity data. The linear trend could indicate the presence of an irrigation line or a buried trench. An interpretation of geophysical data collected from Wolf Field is presented as Figure 1.

Adase Grid. The ground conditions in the Adase grid were nearly identical to the Wolf grid. Approximately 2,700 ft of northerly lines were surveyed with the EM31 terrain conductivity equipment, and approximately 1,400 ft of lines were surveyed with the magnetometer.

The EM31 in-phase data indicate buried metal at several locations in the outfield portions of the grid. A linear trend of low EM31 apparent conductivity data was observed extending from the infield behind the pitcher's mound, through the shortstop area and into the outfield approximately 20 feet beyond the end of the infield. Although the linear trend has no in-phase response, it could indicate the presence of an

irrigation line or a buried trench. The vertical magnetic gradient has minor anomalies on two lines that are somewhat coincident with this trend. A large unconfirmed magnetic anomaly was measured just south of second base. An interpretation of geophysical data collected from Adase Field is presented as Figure 2.

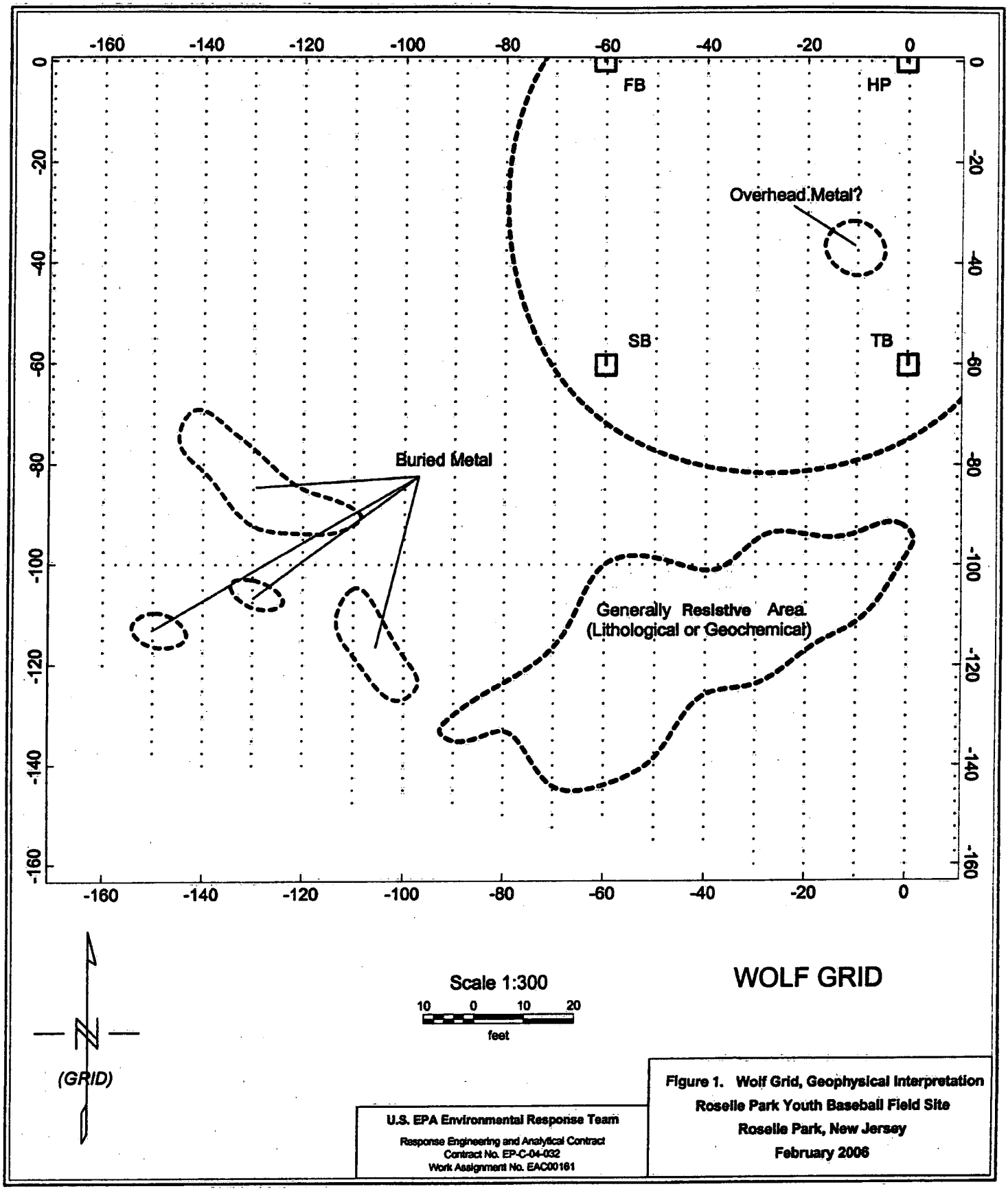
CONCLUSIONS AND RECOMMENDATIONS

Buried metal was possibly indicated at several locations in both grids. Some areas or trends of low apparent conductivity, such as resistive ground, were also measured. These could represent areas of particularly dry ground, a change in lithology, or buried trenches.

The general apparent conductivity of the ground is approximately 30 to 40 mS/m. Therefore, a moderate chance exists that ground penetrating radar (GPR) could be an effective method to further characterize the fill at this site. The Geonics EM61, a more definitive time-domain EM metal detector, should also be used if a detailed second phase of geophysical surveys were to be conducted. These additional surveys could also help to resolve the source of an unconfirmed magnetic anomaly and the areas of resistive ground.

FUTURE ACTIVITIES

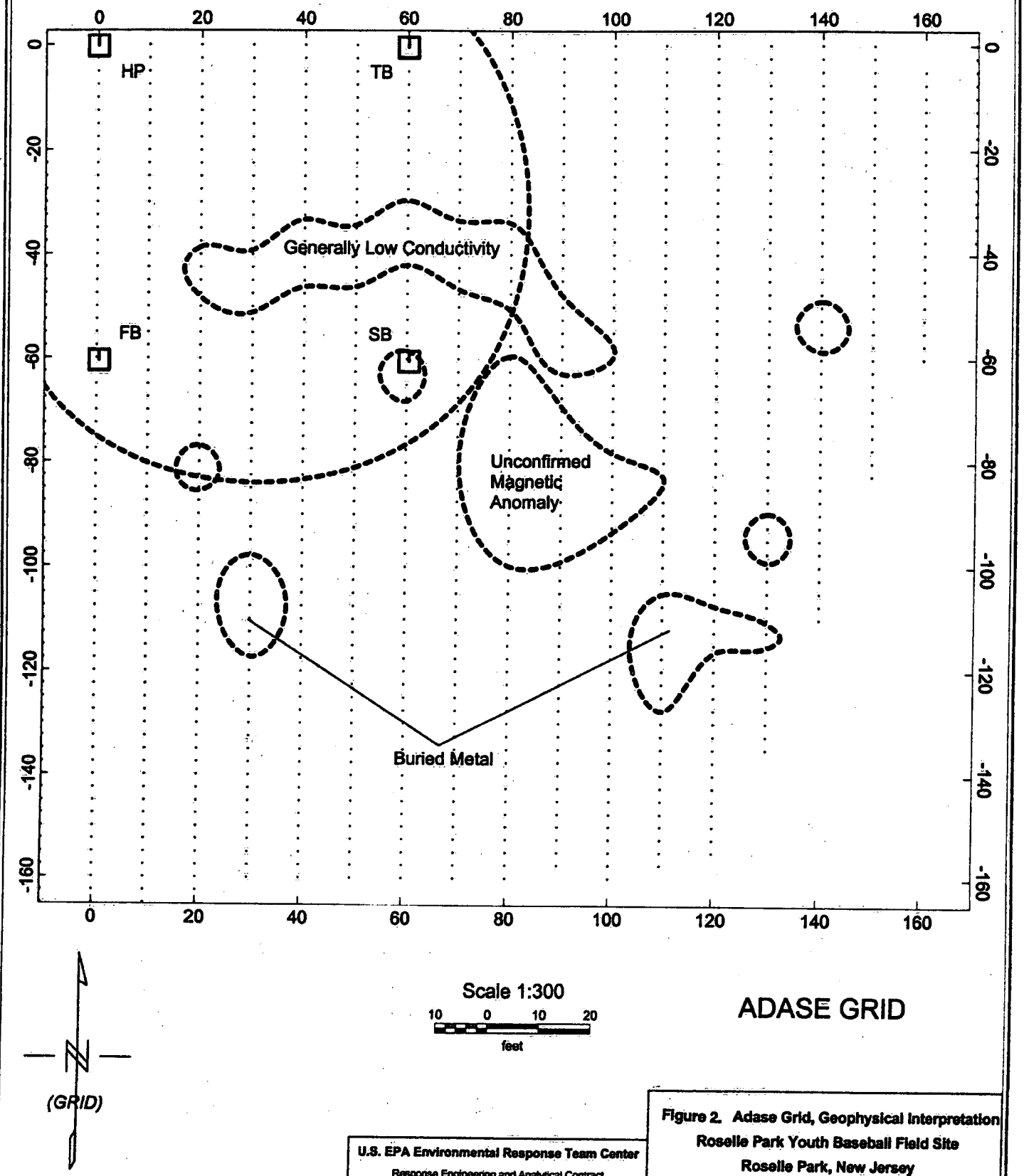
No future activities are currently planned.



U.S. EPA Environmental Response Team

Response Engineering and Analytical Contract
Contract No. EP-C-04-032
Work Assignment No. EAC00161

Figure 1. Wolf Grid, Geophysical Interpretation
Roselle Park Youth Baseball Field Site
Roselle Park, New Jersey
February 2006



ADASE GRID

U.S. EPA Environmental Response Team Center
Response Engineering and Analytical Contract
Contract No. EP-C-04-032
Work Assignment No. EAC00161

Figure 2. Adase Grid, Geophysical Interpretation
Roselle Park Youth Baseball Field Site
Roselle Park, New Jersey
February 2006

Appendix D

APPENDIX D

Soil Gas Laboratory Analytical Report
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

Lockheed Martin Technology Services
Environmental Services REAC
2890 Woodbridge Avenue Building 209 Annex
Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN

DATE: 7 September 2005

TO: R. Singhvi EPA/ERTC

FROM: V. Kansal Analytical Section Leader Vinod Kansal

SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT # 0-161

Attached please find the following document prepared under this work assignment:

Roselle Park Youth Baseball Field - Analytical Report

Central File WA # 0-161	(w/attachment)
D. Bussey	Work Assignment Manager (w/attachment)
R. Phillips	Task Leader (w/attachment)
J. Soroka	Data Validation and Report Writing Group Leader (w/o attachment)

ANALYTICAL REPORT

Prepared by
LOCKHEED MARTIN

Roselle Park Youth Baseball Field
Roselle Park, New Jersey

September 2005

EPA Work Assignment No. 0-161
LOCKHEED MARTIN Work Order No. R1A00161
EPA Contract No. EP-C-04-032

Submitted to
D. Bussey
EPA-ERTC

R. Phillips Task Leader	9/8/05 Date	Analysis by: REAC
V. Kansal Analytical Section Leader	9/7/05 Date	Prepared by: R. Varsolona
D. Miller Program Manager	9/8/05 Date	Reviewed by: J. Soroka

0161-dar-090705

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Case Narrative
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Section III

Chains of Custody

Appendix A	Data for VOC-Air (Summa Canisters)	P230
Appendix B	Data for VOCs-Air (Tedlar Bags)	P223

Introduction

REAC in response to WA #0-161, provided analytical support for environmental samples collected from the Roselle Park Youth Baseball Field, located in Roselle Park, New Jersey as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those described in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis/ Method	Lab	Data Package
01380	11	7/22/05	7/22/05	Air Summas	VOC SOP 1814	REAC	P230
19182	9	7/20/05	7/20/05	Air Tedlar Bag	VOC SOP 1726		P223
19183	5						
01376	18	7/21/05	7/21/05				
01377	11	7/22/05	7/22/05				

Case Narrative

For organic analysis, values less than 25% of the reporting limit are not reported.

VOC in Air (Summa Canisters) Package P230

Sample 15782 (trip blank) contained 0.200 ppbv 1,2-dichloroethane, 0.200 ppbv benzene, 0.360 ppbv trichloroethene, 0.200 ppbv dibromomethane, 0.640 ppbv toluene, 0.480 ppbv 1,1,2-trichloroethane, 0.240 ppbv tetrachloroethene, 0.880 ppbv ethyl benzene, 0.920 ppbv m-xylene, 0.880 ppbv o-xylene, 0.680 ppbv styrene, 0.560 ppbv 1,3,5-trimethylbenzene and 0.480 ppbv 1,2,4-trimethylbenzene. The following compounds are non-detect for the listed samples: benzene for 15781; toluene for 15781, 15789, 15790 & 15791; tetrachloroethene for 15781, 15786, 15785, 15788 & 15790; ethyl benzene for 15785 & m-Xylene for 15781, 15785 & 15788.

The acceptable QC limits were exceeded for the internal standard area of bromochloromethane and 1,4-difluorobenzene for sample 15781. Chloromethane, vinyl chloride, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, methylene chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloromethane, 1,1,1-trichloroethane and carbon tetrachloride results are estimated. 1,2-dichloroethane, benzene, trichloroethene, bromodichloromethane, dibromomethane, toluene, 1,1,2-trichloroethane and tetrachloroethene results are rejected.

The acceptable QC limits were exceeded for the internal standard area of bromochloromethane and 1,4-difluorobenzene for samples 15786, 15784, 15785, 15788, 15789, 15790, 15791, 15787 & 15783. Chloromethane, vinyl chloride, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, methylene chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloromethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, benzene, trichloroethene, bromodichloromethane, dibromomethane, toluene, 1,1,2-trichloroethane and tetrachloroethene results are estimated.

VOC in Air (Tedlar Bags) Package P223

Sample 15754 did not contain sufficient volume for analysis.

The data was examined and found to be acceptable.

Summary of Abbreviations

C	Centigrade
cont.	Continued
D	(Surrogate Table) value is from a diluted sample and was not calculated (Result Table) result was obtained from a diluted sample
Dioxin	Polychlorinated Dibenzo-p-dioxins (PCDD) and Dibenzofurans (PCDF)
CLP	Contract Laboratory Procedure
COC	Chain of Custody
Conc	Concentration
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DL	Detection Limit
E	Value is greater than the highest linear standard and is estimated
EMPC	Estimated maximum possible concentration
ICAP	Inductively Coupled Argon Plasma
IS	Internal Standard
J	Value is estimated
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	either Not Applicable or Not Available
NC	Not Calculated
NR	Not Requested
NS	Not Spiked
% D	Percent Difference
% Rec.	Percent Recovery
PAL	Permissible Acceptance Limit
ppbv	parts per billion by volume
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
R	The value is not usable
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Monitoring
Surr	Surrogate
TCLP	Toxic Characteristics Leaching Procedure
U	Not detected
m^3	cubic meter
L	liter
mL	milliliter
µL	microliter
*	Value exceeds the acceptable QC limit

kg	kilogram	µg	microgram
g	gram	pg	picogram
mg	milligram	ng	nanogram

Revision 8/03/05

Table 1.1 Results of the Analysis for VOC in Air (Summa Canisters)
WA#0-161 Roselle Park Youth Baseball Field

Sample Number	Method Blank		15782		15781			15786			15784		
Sample Location	050726-2		Trip/Lot Blank		Ambient Air @A-C3			W-C2 SGS			A-G7 SGS		
Compound	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv		RL ppbv	Results ppbv		RL ppbv	Results ppbv		RL ppbv
CHLOROMETHANE	U	0.160	U	0.160	1.48	J	0.160	U	J	0.600	U	J	0.600
VINYL CHLORIDE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
CHLOROETHANE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
TRICHLOROFLUROMETHANE	U	0.160	U	0.160	0.280	J	0.160	U	J	0.600	U	J	0.600
1,1-DICHLOROETHENE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
METHYLENE CHLORIDE	U	0.160	U	0.160	0.240	J	0.160	U	J	0.600	U	J	0.600
TRANS-1,2-DICHLOROETHENE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
1,1-DICHLOROETHANE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
CIS-1,2,-DICHLOROETHENE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
TRICHLOROMETHANE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	2.10	J	0.600
1,1,1-TRICHLOROETHANE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
CARBON TETRACHLORIDE	U	0.160	U	0.160	U	J	0.160	U	J	0.600	U	J	0.600
1,2-DICHLOROETHANE	U	0.160	0.200	0.160	R		0.200	U	J	0.600	U	J	0.600
BENZENE	U	0.160	0.200	0.160	R		0.160	U	J	0.600	2.40	J	0.600
TRICHLOROETHYLENE	U	0.160	0.360	0.160	R		0.160	U	J	0.600	U	J	0.600
BROMODICHLOROMETHANE	U	0.160	U	0.160	R		0.160	U	J	0.600	U	J	0.600
DIBROMOMETHANE	U	0.160	0.200	0.160	R		0.160	U	J	0.600	U	J	0.600
TOLUENE	U	0.160	0.640	0.160	R		1.28	U	J	0.600	6.15	J	0.600
1,1,2-TRICHLOROETHANE	U	0.160	0.480	0.160	R		0.160	U	J	0.600	U	J	0.600
TETRACHLOROETHYLENE	U	0.160	0.240	0.160	R		1.20	U	J	1.20	5.70	J	0.600
ETHYLBENZENE	U	0.160	0.880	0.160	U		0.160	U		0.600	U		0.600
META-XYLENE	U	0.160	0.920	0.160	U		0.920	U		0.600	U		0.600
ORTHO-XYLENE	U	0.160	0.880	0.160	U		0.160	U		0.600	U		0.600
STYRENE	U	0.160	0.680	0.160	U		0.160	U		0.600	U		0.600
1,1,2,2-TETRACHLOROETHANE	U	0.160	U	0.160	U		0.160	U		0.600	U		0.600
1,3,5-TRIMETHYLBENZENE	U	0.160	0.560	0.160	U		0.160	U		0.600	U		0.600
1,2,4-TRIMETHYLBENZENE	U	0.160	0.480	0.160	U		0.160	U		0.600	U		0.600

Table 1.1 Results of the Analysis for VOC in Air (Summa Canisters)
WA#0-161 Roselle Park Youth Baseball Field

Sample Number	15785			15788			Method Blank		15789			15790		
Sample Location	A-C3 SGS			A-E7 SGS			050726-3		A-C6 SGS			W-B10 SGS		
Compound	Results ppbv		RL ppbv	Results ppbv		RL ppbv	Results ppbv	RL ppbv	Results ppbv		RL ppbv	Results ppbv		RL ppbv
CHLOROMETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
VINYL CHLORIDE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
CHLOROETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
TRICHLOROFLUROMETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	1.20	J	0.600
1,1-DICHLOROETHENE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
METHYLENE CHLORIDE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
TRANS-1,2-DICHLOROETHENE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
1,1-DICHLOROETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
CIS-1,2,-DICHLOROETHENE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
TRICHLOROMETHANE	U	J	0.600	3.00	J	0.600	U	0.160	U	J	0.600	U	J	0.600
1,1,1-TRICHLOROETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
CARBON TETRACHLORIDE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
1,2-DICHLOROETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
BENZENE	17.7	J	0.600	1.20	J	0.600	U	0.160	1.05	J	0.600	2.25	J	0.600
TRICHLOROETHYLENE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
BROMODICHLOROMETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
DIBROMOMETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
TOLUENE	20.4	J	0.600	4.80	J	0.600	U	0.160	U	J	2.40	U	J	2.40
1,1,2-TRICHLOROETHANE	U	J	0.600	U	J	0.600	U	0.160	U	J	0.600	U	J	0.600
TETRACHLOROETHYLENE	U	J	1.05	U	J	1.20	U	0.160	U	J	0.600	U	J	1.20
ETHYLBENZENE	U		1.35	U		0.600	U	0.160	U		0.600	U		0.600
META-XYLENE	U		2.70	U		0.920	U	0.160	U		0.600	U		0.600
ORTHO-XYLENE	U		0.600	U		0.600	U	0.160	U		0.600	U		0.600
STYRENE	U		0.600	U		0.600	U	0.160	U		0.600	U		0.600
1,1,2,2-TETRACHLOROETHANE	U		0.600	U		0.600	U	0.160	U		0.600	U		0.600
1,3,5-TRIMETHYLBENZENE	U		0.600	U		0.600	U	0.160	U		0.600	U		0.600
1,2,4-TRIMETHYLBENZENE	U		0.600	U		0.600	U	0.160	U		0.600	U		0.600

Table 1.1 Results of the Analysis for VOC in Air (Summa Canisters)
WA#0-161 Roselle Park Youth Baseball Field

Sample Number	15791			Method Blank		15787			15783		
Sample Location	W-G7 SGS			050726-4		A-C5 SGS			A-C4 SGS		
Compound	Results ppbv		RL ppbv	Results ppbv	RL ppbv	Results ppbv		RL ppbv	Results ppbv		RL ppbv
CHLOROMETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
VINYL CHLORIDE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
CHLOROETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
TRICHLOROFLUROMETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
1,1-DICHLOROETHENE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
METHYLENE CHLORIDE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
TRANS-1,2-DICHLOROETHENE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
1,1-DICHLOROETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
CIS-1,2,-DICHLOROETHENE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
TRICHLOROMETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
1,1,1-TRICHLOROETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
CARBON TETRACHLORIDE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
1,2-DICHLOROETHANE	U	J	0.600	U	0.160	U	J	3.00	6.00	J	4.80
BENZENE	U	J	0.600	U	0.160	U	J	3.00	152	J	4.80
TRICHLOROETHYLENE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
BROMODICHLOROMETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
DIBROMOMETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
TOLUENE	U	J	1.20	U	0.160	U	J	3.00	12.0	J	4.80
1,1,2-TRICHLOROETHANE	U	J	0.600	U	0.160	U	J	3.00	U	J	4.80
TETRACHLOROETHYLENE	1.35	J	0.600	U	0.160	U	J	3.00	U	J	4.80
ETHYLBENZENE	U		0.600	U	0.160	U		3.00	60.0		4.80
META-XYLENE	U		0.600	U	0.160	U		3.00	91.2		4.80
ORTHO-XYLENE	U		0.600	U	0.160	U		3.00	12.0		4.80
STYRENE	U		0.600	U	0.160	U		3.00	7.20		4.80
1,1,2,2-TETRACHLOROETHANE	U		0.600	U	0.160	U		3.00	U		4.80
1,3,5-TRIMETHYLBENZENE	U		0.600	U	0.160	U		3.00	215		4.80
1,2,4-TRIMETHYLBENZENE	U		0.600	U	0.160	U		3.00	331		4.80

Sample Number: Method Blank
Sample Location: 050726-2

Compound Name	Retention Time (mins)	Concentration (ppbv)*
No TICs were detected		

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15782
Sample Location: Trip Blank

Compound Name	Retention Time (mins)	Concentration (ppbv)*
No TICs were detected		

* Estimated Concentration

Sample Number: 15781
Sample Location: Ambient Air @ A-C3

Compound Name	Retention Time (mins)	Concentration (ppbv)*
2-Propanone	5.90	41.6
1,3-Butadiene, 2-methyl	6.48	2.52
Unknown	7.44	158
Unknown	10.24	173
C6H10O Ketone	13.97	6.00
Cyclohexanone, trimethyl isomer	20.20	2.52
Benzothiazole	23.69	0.96

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15786
Sample Location: W-C2 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Unknown	4.35	1.65
Unknown	4.49	1.50
Unknown	4.51	1.65
Alkene (C4H8)	4.89	4.65
Alkane	5.92	7.95
Alkane (C5H12)	6.36	2.55
Unknown	7.21	2.55
Unknown	8.32	3.45
Unknown	10.21	3.75
Unknown	10.97	1.65
Cycloalkane (C7H14)	12.4	4.05
Unknown	12.91	1.50
Benzothiazole	23.69	1.80

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15784
Sample Location: A-G7 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkene (C3H6)	4.35	7.65
Alkene (C4H8)	4.89	9.60
Alkene (C5H12)	5.92	7.35
Cycloalkane (C5H10)	6.16	3.15
Alkane (C5H12)	6.36	7.35
Unknown	7.21	1.80
Alkane (C6H14)	7.94	4.35
Alkane (C6H14)	8.31	3.45
Alkene (C6H12)	8.46	3.30
Alkane (C7H16)	10.96	1.95
Unknown	12.97	1.65

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15785
Sample Location: A-C3 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkene (C4H8)	4.90	2.10
Alkane (C5H12)	5.93	3.90
Alkane (C5H12)	6.38	3.15
Alkene (C5H10)	6.53	1.95
Unknown	7.23	1.95
Alkane (C6H14)	7.96	5.25
Alkane (C6H14)	8.34	3.60
Alkane	10.71	4.80
Unknown	10.81	2.70
Alkane	10.98	6.30
Alkane	11.40	2.40
Alkane (C7H16)	11.66	4.35
Cycloalkane (C7H14)	12.42	11.1
Alkane	12.69	1.80
Unknown	12.94	1.95
3-Cyclohexene-1-carbonitrile	19.38	6.45
Unknown	22.38	6.75

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15788
Sample Location: A-E7 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkene (C3H6)	4.34	9.15
Unknown	4.49	2.40
Unknown	4.73	2.40
Alkene (C4H8)	4.88	6.60
Alkane (C4H10)	5.93	19.5
Alkene (C5H10)	6.29	2.25
Alkane (C5H12)	6.36	10.5
Alkane (C6H14)	7.94	4.95
2-Butanone	8.19	2.70
Alkane (C6H14)	8.32	3.75
Unknown	10.70	3.45
Unknown	10.97	4.05
Alkane (C7H16)	11.65	2.40
Unknown	18.88	4.65
Unknown	19.26	4.95
3-Cyclohexene-1-carbonitrile	19.37	5.10
C8H18O alcohol	19.86	3.75
Alkane (C11H24)	21.46	3.45
Decahydro-methyl naphthalene	22.11	2.25
Alkane (C12H26)	23.20	3.15

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: Method Blank
Sample Location: 050726-3

Compound Name	Retention Time (mins)	Concentration (ppbv)*
No TICs were detected		

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15789
Sample Location: A-C6 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkene (C3H6)	4.33	3.75
Unknown	4.48	3.30
Unknown	4.72	4.05
Alkene (C4H8)	4.88	12.2
Alkane (C4H10)	4.96	5.40
Unknown	5.92	20.6
Alkane (C5H12)	6.35	4.20
Unknown	7.11	7.20
Alkane (C6H14)	7.84	13.0
Alkane (C6H14)	7.93	5.10
2-Butanone	8.18	3.90
Alkane (C6H14)	8.31	3.75
Alkane (C7H16)	9.61	10.8
Alkane	10.79	4.50
Alkane	11.38	11.0
Alkane (C8H18)	12.59	8.25
Alkane	12.67	10.5
Cycloalkane (C8H16)	12.93	4.95
Alkane	13.20	4.20
Cyclohexanone, trimethyl isomer	20.17	4.80

* Estimated Concentration

Sample Number: 15790
Sample Location: W-B10 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Methane, chlorodifluoro-	4.29	18.0
Propyne	4.47	1.65
Alkene (C4H8)	4.88	3.45
Alkane (C5H12)	5.90	3.30
Unknown	6.35	3.30

* Estimated Concentration

Sample Number: 15791
Sample Location: W-G7 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkene (C3H6)	4.34	3.15
Unknown	4.47	1.65
Unknown	4.72	1.95
Alkene (C4H8)	4.88	2.85
Alkane (C4H10)	5.92	6.90
Alkane (C5H12)	6.35	3.45
Unknown	7.2	1.95
Alkane (C6H14)	7.92	2.55
Alkane (C6H14)	8.3	1.80
Unknown	10.96	1.50
Alkane (C7H16)	11.65	2.85
Unknown	19.31	1.65
1-Hexanol, 2-ethyl	19.84	3.75

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: Method Blank
Sample Location: 050726-4

Compound Name	Retention Time (mins)	Concentration (ppbv)*
No TICs were detected		

* Estimated Concentration

Table 1.2 Results of the TIC for VOC in Air (Summa Canisters)

Sample Number: 15787
Sample Location: A-C5 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkene (C3H4)	4.32	10.5
Alkane (C5H12)	5.89	23.2
Alkane (C6H14)	7.11	19.5
Unknown	7.2	12.8
Alkane (C6H14)	7.83	36.0
Unknown	8.3	11.2
Alkane	9.6	69.0
Alkane	9.82	16.5
Alkane	10.77	12.8
Alkane	11.37	795
Alkane	11.61	12.0
Alkane (C8H18)	11.75	21.0
Unknown	11.8	12.0
Alkane (C8H18)	12.59	72.8
Alkane	12.67	60.0
Alkane	12.73	30.0
Alkane (C8H18)	13.19	60.0
Alkane (C8H18)	13.36	69.8
Alkane (C9H20)	14.11	39.0
Alcohol (C8H18O)	19.85	13.5

* Estimated Concentration

Sample Number: 15783
Sample Location: A-C4 SGS

Compound Name	Retention Time (mins)	Concentration (ppbv)*
Alkane (C5H12)	5.88	372
Alkane (C6H14)	7.91	384
Alkane (C6H14)	8.29	276
Alkane (C7H16)	10.7	340
Alkane (C7H16)	10.8	492
Alkane (C7H16)	10.97	605
Alkane	11.4	876
Cycloalkane C7H14	12.42	258
Alkane (C8H18)	12.69	340
Alkane (C8H18)	13.21	1750
Alkane (C8H18)	13.47	690
Alkane (C8H18)	13.59	480
Alkane (C8H18)	13.64	564
Alkane (C8H18)	13.81	940
Cycloalkane C8H16	14.04	444
Alkane	14.12	840
Alkane	14.79	390
Alkane (C9H20)	16.27	264
Alkane (C9H20)	16.56	676
Alkyl benzene (C10H14)	20.62	280

* Estimated Concentration

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	Method Blank		13316		13315		13322		13306	
Sample Location	Lab Blank		Trip/Lot Blank		Ambient Air		A-D5		A-G1	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	13308		13317		13318		13320		13321	
Sample Location	A-E1		A-E1 Dup		A-G7		A-D8		A-C9	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	13323		13324		13326		12544		13325	
Sample Location	A-G5		A-A3		A-E3		A-B2		A-E3 Dup	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	Method Blank		15751		15752		15753		15755	
Sample Location	Lab Blank		W-A9SG		W-G9SG		W-E8SG		W-C8SG	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	15756		15757		15758		15759		15760	
Sample Location	W-A5SG		W-G3SG		W-J3SG		W-G1SG		W-E5SG	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	15761		15762		15763		15764		15765	
Sample Location	W-E9SG		W-E1SG		W-D3SG		W-D6SG		W-D6SG DUP	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	15766		15767		15768	
Sample Location	W-D10SG DUP		W-B10SG		W-D10SG	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	Method Blank		15770		15771		15772		15773	
Sample Location	Lab Blank		A-H2SG		A-C5SG		A-F2SG		A-H4SG	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	15774		15775		15776		15777		15778	
Sample Location	A-E6SG		A-C6SG		A-C4SG		A-E7SG		A-B4SG	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Benzene	U	0.200	U	0.200	0.33	0.200	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Toluene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Styrene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200	0.11 J	0.200	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200	0.15 J	0.200	U	0.200	U	0.200

Table 1.3 Results of the Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample No.	15779		15780	
Sample Location	A-C2SG		A-A1SG	
Compound Name	Conc. ppmv	RL ppmv	Conc. ppmv	RL ppmv
Chloromethane	U	0.200	U	0.200
Vinyl chloride	U	0.200	U	0.200
Chloroethane	U	0.200	U	0.200
Trichlorofluoromethane	U	0.200	U	0.200
1,1-Dichloroethene	U	0.200	U	0.200
Methylene Chloride	U	0.200	U	0.200
trans-1,2-Dichloroethene	U	0.200	U	0.200
1,1-Dichloroethane	U	0.200	U	0.200
cis-1,2-Dichloroethene	U	0.200	U	0.200
Chloroform	U	0.200	U	0.200
1,2-Dichloroethane	U	0.200	U	0.200
1,1,1-Trichloroethane	U	0.200	U	0.200
Benzene	U	0.200	U	0.200
Carbon tetrachloride	U	0.200	U	0.200
Dibromomethane	U	0.200	U	0.200
Bromodichloromethane	U	0.200	U	0.200
Trichloroethene (TCE)	U	0.200	U	0.200
1,1,2-Trichloroethane	U	0.200	U	0.200
Toluene	U	0.200	U	0.200
Tetrachloroethene (PCE)	U	0.200	U	0.200
Ethyl benzene	U	0.200	U	0.200
m-&p-Xylenes	U	0.200	U	0.200
Styrene	U	0.200	U	0.200
o-Xylene	U	0.200	U	0.200
1,1,2,2-Tetrachloroethane	U	0.200	U	0.200
1,3,5-Trimethylbezene	U	0.200	U	0.200
1,2,4-Trimethylbezene	U	0.200	U	0.200

Table 2.1 Results of the Internal Standard Areas for VOC in Air (Summa Canisters)
REAC SOP 1814 WA#0-161 Roselle Park Youth Baseball Field Page 1 of 1

Analysis Date: 7/26/05

Sample No.	IS-1		IS-2		IS-3
MB050726-2	357162		943972		731266
15782:Trip Blank	315739		857130		711938
15781:Ambient Air @A-C3	139763	*	222373	*	701463
15786:W-C2	144480	*	230165	*	747761
15786:W-C2 2nd run	145945	*	232491	*	723271
15784:A-G7	147571	*	229860	*	717209
15784:A-G7 2nd run	140306	*	229478	*	680771
15785:A-C3	147663	*	231969	*	709633
15785:A-C3 rep	144775	*	220776	*	681702
15788:A-E7	142543	*	229895	*	674189
15788:A-E7 2nd run	144794	*	228246	*	660575
MB050726-3	333263		802062		650313
15789:A-C6	149519	*	243717	*	664199
15789:A-C6 2nd run	141501	*	233597	*	646678
15790:A-B1	138192	*	232436	*	622463
15790:A-B1 2nd run	137964	*	236877	*	605702
15791:W-G7	136231	*	231282	*	577906
15791:W-G7 2nd run	141679	*	222978	*	558896
MB050726-4	291266		708622		545024
15787:A-C5	142103	*	233434	*	563678
15787:A-C5 2nd run	135165	*	236945	*	530138
15783:A-C4	133734	*	645823		598015
15783:A-C4 2nd run	144367	*	759270		665045
15781:Ambient Air @A-C3 MS	143045	*	240963	*	646976
15781:Ambient Air @A-C3 MSD	142339	*	241499	*	618471
	360571		900307		758695

IS-1 Bromochloromethane
IS-2 1,4-Diflurobenzene
IS-3 Chlorobenzene-d5

Table 2.2 Results of the MS/MSD Analysis for VOC in Air (Summa Canisters)
WA# 0-161 Roselle Park Youth Baseball Field

Sample: 15781
Sample Location: Ambient Air @ A-C3

Compounds	Spike Amount(nL)	Sample Amount (nL)	MS Amount (nL)	MS % Recovery	MSD Amount (nL)	MSD % Recovery	RPD	QC Limits % Recovery
CHLOROMETHANE	1.03	0.37	2.51	208*	2.50	207*	0	75 - 125
VINYL CHLORIDE	1.03	U	2.15	209 *	2.11	205*	2	75 - 125
CHLOROETHANE	1.04	U	1.03	99	1.03	99	0	75 - 125
TRICHLOROFLUROMETHANE	1.08	0.07	1.27	111	1.24	108	3	75 - 125
1,1-DICHLOROETHENE	1.02	U	1.08	106	1.12	110	4	75 - 125
METHYLENE CHLORIDE	1.02	0.06	1.20	112	1.18	110	2	75 - 125
TRANS-1,2-DICHLOROETHENE	1.02	U	1.01	99	1.06	104	5	75 - 125
1,1-DICHLOROETHANE	1.03	U	1.08	105	1.09	106	1	75 - 125
CIS-1,2,-DICHLOROETHENE	1.02	U	0.93	91	0.93	91	0	75 - 125
TRICHLOROMETHANE	1.02	U	1.02	100	1.02	100	0	75 - 125
1,1,1-TRICHLOROETHANE	1.02	U	0.89	87	0.90	88	1	75 - 125
CARBON TETRACHLORIDE	1.02	U	0.75	74*	0.74	73*	1	75 - 125
1,2-DICHLOROETHANE	1.02	U	1.34	131*	1.27	125	5	75 - 125
BENZENE	1.03	0.05	0.96	88	0.95	87	1	75 - 125
TRICHLOROETHYLENE	1.02	U	2.47	242*	2.44	239*	1	75 - 125
BROMODICHLOROMETHANE	1.03	U	2.69	261*	2.60	252*	3	75 - 125
DIBROMOMETHANE	1.03	U	2.47	240*	2.78	270*	12	75 - 125
TOLUENE	1.02	0.32	3.29	291*	3.21	283*	3	75 - 125
1,1,2-TRICHLOROETHANE	1.02	U	3.09	303*	3.03	297*	2	75 - 125
TETRACHLOROETHYLENE	1.02	0.1	3.10	294*	3.03	287*	2	75 - 125
ETHYLBENZENE	1.02	U	0.99	97	0.96	94	3	75 - 125
META-XYLENE	1.03	0.07	1.02	92	0.99	89	3	75 - 125
ORTHO-XYLENE	1.04	U	0.97	93	0.97	93	0	75 - 125
STYRENE	1.02	U	1.05	103	1.05	103	0	75 - 125
1,1,2,2-TETRACHLOROETHANE	1.02	U	1.23	121	1.22	120	1	75 - 125
1,3,5-TRIMETHYLBENZENE	1.03	U	1.07	104	1.02	99	5	75 - 125
1,2,4-TRIMETHYLBENZENE	1.02	U	1.07	105	1.04	102	3	75 - 125

Table 2.3 Results of the Replicate Analysis for VOC in Air (Summa Canisters)
WA# 0-161 Roselle Park Youth Baseball Field

Sample Number	15788		15788			
Sample Location	A-E7 SGS		A-E7 SGS rep			
Compound Name	Results ppbv	MDL ppbv	Results ppbv	MDL ppbv	RPD	QC Limit RPD
Chloromethane	U	0.600	U	0.600	NC	25
Vinyl Chloride	U	0.600	U	0.600	NC	25
Chloroethane	U	0.600	U	0.600	NC	25
Trichlorofluoromethane	U	0.600	U	0.600	NC	25
1,1-Dichloroethene	U	0.600	U	0.600	NC	25
Methylene Chloride	U	0.600	U	0.600	NC	25
trans-1,2-Dichloroethene	U	0.600	U	0.600	NC	25
1,1-Dichloroethane	U	0.600	U	0.600	NC	25
cis-1,2-Dichloroethene	U	0.600	U	0.600	NC	25
Trichloromethane	3.00	0.600	3.00	0.600	0	25
1,2-Dichloroethane	U	0.600	U	0.600	NC	25
1,1,1-Trichloroethane	U	0.600	U	0.600	NC	25
Benzene	1.20	0.600	1.20	0.600	0	25
Carbon Tetrachloride	U	0.600	U	0.600	NC	25
Dibromomethane	U	0.600	U	0.600	NC	25
Bromodichloromethane	U	0.600	U	0.600	NC	25
Trichloroethene	U	0.600	U	0.600	NC	25
1,1,2-Trichloroethane	U	0.600	U	0.600	NC	25
Toluene	4.80	0.600	4.65	0.600	3	25
Tetrachloroethene	1.20	0.600	1.20	0.600	0	25
Ethylbenzene	U	0.600	U	0.600	NC	25
m&p-Xylene	0.750	0.600	0.750	0.600	0	25
Styrene	U	0.600	U	0.600	NC	25
1,1,2,2-Tetrachloroethane	U	0.600	U	0.600	NC	25
o-Xylene	U	0.600	U	0.600	NC	25
1,3,5-trimethylbenzene	U	0.600	U	0.600	NC	25
1,2,4-Trimethylbenzene	U	0.600	U	0.600	NC	25

Table 2.4 Results of the Internal Standard Areas for VOCs in Air (Tedlar Bags)

Analysis Date 7/20/2005

Sample No.	IS 1		IS 2
Method Blank (7/20/05)	938152		5069815
13316	902402		4508179
13315	828571		4523289
13322	794490		3927207
13306	805485		3847903
13308	714887		3664252
13317	760481		3461928
13318	714006		3587523
13320	630322		3541197
13321	639861		3453342
Method Blank 2 (7/20/05)	589170		3254276
Method Blank Spike 1	651909		3272824
Method Blank Spike Dup 1	584777		3097564
13323	596434		3286288
13324	578917		3161734
13326	591144		2973937
12544	554412		3064322
13325	510683		2775836
Method Blank 3 (7/20/05)	529115		2684620
Method Blank Spike 2	478716	*	2616450
Method Blank Spike Dup 2	489086	*	2625397
Cal Check Area	979829		5060840

IS 1 = Tris(trifluoromethyl) benzene
IS 2 = Bromopentafluorobenzene

Table 2.4 Results of the Internal Standard Areas for VOCs in Air (Tedlar Bags)

Analysis Date 7/21/2005

Sample No.	IS 1	IS 2	
Method Blank (7/21/05)	737666	3265895	
15751	544074	2377787	
15752	488273	2239367	
15753	584227	2320872	
15755	598851	2421074	
15756	551960	2215777	
15757	492786	2174467	
15758	550231	2190759	
15759	483967	2051169	
15760	504651	2078365	
15761	490419	2229466	
15762	547728	2292654	
15763	524654	2180399	
15764	524559	2249599	
15765	517964	2264015	
15766	513723	2294519	
15767	499615	2222247	
15768	554956	2252607	
Method Blank 2 (7/21/05)	477717	1951100	
Method Blank Spike (7/21/05)	439844	1830874	*
Method Blank Spike Dup. (7/21/05)	548563	2090871	
Cal Check Area	777120	3775890	

IS 1 = Tris(trifluoromethyl) benzene
IS 2 = Bromopentafluorobenzene

Table 2.4 Results of the Internal Standard Areas for VOCs in Air (Tedlar Bags)

Analysis Date 7/22/2005

Sample No.	IS 1	IS 2
Method Blank (7/22/05)	594931	2194178
15770	524371	2123776
15771	610138	2210819
15772	621029	2318196
15773	554054	2172957
15774	537948	2130116
15775	530476	2237661
15776	663376	2889133
15777	592643	2467165
15778	539739	2210808
15779	538821	2133175
15780	542979	2218518
Method Blank 2 (7/22/05)	537085	2096872
Method Blank Spike (7/22/05)	571546	2059344
Method Blank Spike Dup. (7/22/05)	531752	2177023
Cal Check Area	535935	2059210

IS 1 = Tris(trifluoromethyl) benzene
IS 2 = Bromopentafluorobenzene

Table 2.5 Results of BS/BSD Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample ID: BS1/BSD1-072005

Compound Name	Blank Conc. ppmv	BS Spike Added ppmv	BS Conc. ppmv	BS % Rec.		BSD Spike Added ppmv	BSD Conc. ppmv	BSD % Rec.		RPD	QC Limits % Rec.	QC Limits RPD
Chloromethane	U	0.50	0.33	66	*	0.50	0.35	70		6	70 - 130	30
Vinyl chloride	U	0.50	0.38	76		0.50	0.45	90		17	70 - 130	30
Chloroethane	U	0.50	0.38	76		0.50	0.46	92		19	70 - 130	30
Trichlorofluoromethane	U	0.50	0.58	116		0.50	0.66	132	*	13	70 - 130	30
1,1-Dichloroethene	U	0.50	0.42	84		0.50	0.43	86		2	70 - 130	30
Methylene Chloride	U	0.50	0.35	70		0.50	0.33	66	*	6	70 - 130	30
trans-1,2-Dichloroethene	U	0.50	0.37	74		0.50	0.42	84		13	70 - 130	30
1,1-Dichloroethane	U	0.50	0.42	84		0.50	0.46	92		9	70 - 130	30
cis-1,2-Dichloroethene	U	0.50	0.35	70		0.50	0.37	74		6	70 - 130	30
Chloroform	U	0.50	0.55	110		0.50	0.62	124		12	70 - 130	30
1,2-Dichloroethane	U	0.50	0.44	88		0.50	0.47	94		7	70 - 130	30
1,1,1-Trichloroethane	U	0.50	0.55	110		0.50	0.57	114		4	70 - 130	30
Benzene	U	0.50	0.40	80		0.50	0.45	90		12	70 - 130	30
Carbon tetrachloride	U	0.50	0.59	118		0.50	0.65	130		10	70 - 130	30
Dibromomethane	U	0.50	0.56	112		0.50	0.62	124		10	70 - 130	30
Bromodichloromethane	U	0.50	0.57	114		0.50	0.61	122		7	70 - 130	30
Trichloroethene (TCE)	U	0.50	0.47	94		0.50	0.50	100		6	70 - 130	30
1,1,2-Trichloroethane	U	0.50	0.56	112		0.50	0.58	116		4	70 - 130	30
Toluene	U	0.50	0.42	84		0.50	0.45	90		7	70 - 130	30
Tetrachloroethene (PCE)	U	0.50	0.52	104		0.50	0.57	114		9	70 - 130	30
Ethyl benzene	U	0.50	0.49	98		0.50	0.49	98		0	70 - 130	30
m-&p-Xylenes	U	0.50	0.50	100		0.50	0.49	98		2	70 - 130	30
Styrene	U	0.50	0.56	112		0.50	0.57	114		2	70 - 130	30
o-Xylene	U	0.50	0.47	94		0.50	0.48	96		2	70 - 130	30
1,1,2,2-Tetrachloroethane	U	0.50	0.62	124		0.50	0.60	120		3	70 - 130	30
1,3,5-Trimethylbezene	U	0.50	0.56	112		0.50	0.55	110		2	70 - 130	30
1,2,4-Trimethylbezene	U	0.50	0.56	112		0.50	0.54	108		4	70 - 130	30

Table 2.5 Results of BS/BSD Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample ID: BS2/BSD2-072005

Compound Name	Blank Conc. ppmv	BS Spike Added ppmv	BS Conc. ppmv	BS % Rec.		BSD Spike Added ppmv	BSD Conc. ppmv	BSD % Rec.		RPD	QC Limits % Rec.	QC Limits RPD
Chloromethane	U	0.50	0.40	80		0.50	0.39	78		3	70 - 130	30
Vinyl chloride	U	0.50	0.45	90		0.50	0.43	86		5	70 - 130	30
Chloroethane	U	0.50	0.47	94		0.50	0.43	86		9	70 - 130	30
Trichlorofluoromethane	U	0.50	0.73	146	*	0.50	0.79	158	*	8	70 - 130	30
1,1-Dichloroethene	U	0.50	0.47	94		0.50	0.43	86		9	70 - 130	30
Methylene Chloride	U	0.50	0.49	98		0.50	0.42	84		15	70 - 130	30
trans-1,2-Dichloroethene	U	0.50	0.47	94		0.50	0.45	90		4	70 - 130	30
1,1-Dichloroethane	U	0.50	0.50	100		0.50	0.52	104		4	70 - 130	30
cis-1,2-Dichloroethene	U	0.50	0.42	84		0.50	0.43	86		2	70 - 130	30
Chloroform	U	0.50	0.71	142	*	0.50	0.73	146	*	3	70 - 130	30
1,2-Dichloroethane	U	0.50	0.56	112		0.50	0.50	100		11	70 - 130	30
1,1,1-Trichloroethane	U	0.50	0.71	142	*	0.50	0.70	140	*	1	70 - 130	30
Benzene	U	0.50	0.46	92		0.50	0.45	90		2	70 - 130	30
Carbon tetrachloride	U	0.50	0.80	160	*	0.50	0.75	150	*	6	70 - 130	30
Dibromomethane	U	0.50	0.70	140	*	0.50	0.65	130		7	70 - 130	30
Bromodichloromethane	U	0.50	0.69	138	*	0.50	0.69	138	*	0	70 - 130	30
Trichloroethene (TCE)	U	0.50	0.56	112		0.50	0.53	106		6	70 - 130	30
1,1,2-Trichloroethane	U	0.50	0.68	136	*	0.50	0.67	134	*	1	70 - 130	30
Toluene	U	0.50	0.43	86		0.50	0.42	84		2	70 - 130	30
Tetrachloroethene (PCE)	U	0.50	0.59	118		0.50	0.61	122		3	70 - 130	30
Ethyl benzene	U	0.50	0.48	96		0.50	0.46	92		4	70 - 130	30
m-&p-Xylenes	U	0.50	0.45	90		0.50	0.42	84		7	70 - 130	30
Styrene	U	0.50	0.51	102		0.50	0.49	98		4	70 - 130	30
o-Xylene	U	0.50	0.46	92		0.50	0.46	92		0	70 - 130	30
1,1,2,2-Tetrachloroethane	U	0.50	0.68	136	*	0.50	0.67	134	*	1	70 - 130	30
1,3,5-Trimethylbezene	U	0.50	0.49	98		0.50	0.46	92		6	70 - 130	30
1,2,4-Trimethylbezene	U	0.50	0.49	98		0.50	0.47	94		4	70 - 130	30

Table 2.5 Results of BS/BSD Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample ID: BS1/BSD1-072105

Compound Name	Blank Conc. ppmv	BS Spike Added ppmv	BS Conc. ppmv	BS % Rec.		BSD Spike Added ppmv	BSD Conc. ppmv	BSD % Rec.		RPD		QC Limits % Rec.	QC Limits RPD
												70 - 130	30
Chloromethane	U	0.50	0.65	130		0.50	0.48	96		30		70 - 130	30
Vinyl chloride	U	0.50	0.50	100		0.50	0.43	86		15		70 - 130	30
Chloroethane	U	0.50	0.61	122		0.50	0.48	96		24		70 - 130	30
Trichlorofluoromethane	U	0.50	0.93	186	*	0.50	0.67	134	*	33	*	70 - 130	30
1,1-Dichloroethene	U	0.50	0.47	94		0.50	0.41	82		14		70 - 130	30
Methylene Chloride	U	0.50	0.65	130		0.50	0.54	108		18		70 - 130	30
trans-1,2-Dichloroethene	U	0.50	0.47	94		0.50	0.44	88		7		70 - 130	30
1,1-Dichloroethane	U	0.50	0.62	124		0.50	0.52	104		18		70 - 130	30
cis-1,2-Dichloroethene	U	0.50	0.40	80		0.50	0.37	74		8		70 - 130	30
Chloroform	U	0.50	0.81	162	*	0.50	0.66	132	*	20		70 - 130	30
1,2-Dichloroethane	U	0.50	0.65	130		0.50	0.52	104		22		70 - 130	30
1,1,1-Trichloroethane	U	0.50	0.74	148	*	0.50	0.62	124		18		70 - 130	30
Benzene	U	0.50	0.40	80		0.50	0.35	70		13		70 - 130	30
Carbon tetrachloride	U	0.50	0.76	152	*	0.50	0.59	118		25		70 - 130	30
Dibromomethane	U	0.50	0.74	148	*	0.50	0.57	114		26		70 - 130	30
Bromodichloromethane	U	0.50	0.77	154	*	0.50	0.62	124		22		70 - 130	30
Trichloroethene (TCE)	U	0.50	0.47	94		0.50	0.39	78		19		70 - 130	30
1,1,2-Trichloroethane	U	0.50	0.68	136	*	0.50	0.55	110		21		70 - 130	30
Toluene	U	0.50	0.31	62	*	0.50	0.26	52	*	18		70 - 130	30
Tetrachloroethene (PCE)	U	0.50	0.51	102		0.50	0.44	88		15		70 - 130	30
Ethyl benzene	U	0.50	0.51	102		0.50	0.46	92		10		70 - 130	30
m-&p-Xylenes	U	0.50	0.44	88		0.50	0.42	84		5		70 - 130	30
Styrene	U	0.50	0.51	102		0.50	0.43	86		17		70 - 130	30
o-Xylene	U	0.50	0.51	102		0.50	0.44	88		15		70 - 130	30
1,1,2,2-Tetrachloroethane	U	0.50	0.99	198	*	0.50	0.86	172	*	14		70 - 130	30
1,3,5-Trimethylbezene	U	0.50	0.44	88		0.50	0.38	76		15		70 - 130	30
1,2,4-Trimethylbezene	U	0.50	0.48	96		0.50	0.41	82		16		70 - 130	30

Table 2.5 Results of BS/BSD Analysis for VOCs in Air (Tedlar Bags)
WA# 0-161 Roselle Park Youth Baseball Field

Sample ID: BS/BSD-072205

Compound Name	Blank Conc. ppmv	BS Spike Added ppmv	BS Conc. ppmv	BS % Rec.	BSD Spike Added ppmv	BSD Conc. ppmv	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Chloromethane	U	0.50	0.51	102	0.50	0.50	100	2	70 - 130	30
Vinyl chloride	U	0.50	0.52	104	0.50	0.45	90	14	70 - 130	30
Chloroethane	U	0.50	0.44	88	0.50	0.48	96	9	70 - 130	30
Trichlorofluoromethane	U	0.50	0.44	88	0.50	0.46	92	4	70 - 130	30
1,1-Dichloroethene	U	0.50	0.41	82	0.50	0.53	106	26	70 - 130	30
Methylene Chloride	U	0.50	0.55	110	0.50	0.59	118	7	70 - 130	30
trans-1,2-Dichloroethene	U	0.50	0.45	90	0.50	0.46	92	2	70 - 130	30
1,1-Dichloroethane	U	0.50	0.43	86	0.50	0.51	102	17	70 - 130	30
cis-1,2-Dichloroethene	U	0.50	0.44	88	0.50	0.43	86	2	70 - 130	30
Chloroform	U	0.50	0.46	92	0.50	0.51	102	10	70 - 130	30
1,2-Dichloroethane	U	0.50	0.42	84	0.50	0.48	96	13	70 - 130	30
1,1,1-Trichloroethane	U	0.50	0.43	86	0.50	0.49	98	13	70 - 130	30
Benzene	U	0.50	0.42	84	0.50	0.49	98	15	70 - 130	30
Carbon tetrachloride	U	0.50	0.46	92	0.50	0.47	94	2	70 - 130	30
Dibromomethane	U	0.50	0.48	96	0.50	0.53	106	10	70 - 130	30
Bromodichloromethane	U	0.50	0.46	92	0.50	0.49	98	6	70 - 130	30
Trichloroethene (TCE)	U	0.50	0.42	84	0.50	0.51	102	19	70 - 130	30
1,1,2-Trichloroethane	U	0.50	0.53	106	0.50	0.51	102	4	70 - 130	30
Toluene	U	0.50	0.45	90	0.50	0.48	96	6	70 - 130	30
Tetrachloroethene (PCE)	U	0.50	0.44	88	0.50	0.51	102	15	70 - 130	30
Ethyl benzene	U	0.50	0.51	102	0.50	0.52	104	2	70 - 130	30
m-&p-Xylenes	U	0.50	0.50	100	0.50	0.49	98	2	70 - 130	30
Styrene	U	0.50	0.56	112	0.50	0.65	130	15	70 - 130	30
o-Xylene	U	0.50	0.55	110	0.50	0.51	102	8	70 - 130	30
1,1,2,2-Tetrachloroethane	U	0.50	0.56	112	0.50	0.53	106	6	70 - 130	30
1,3,5-Trimethylbezene	U	0.50	0.55	110	0.50	0.52	104	6	70 - 130	30
1,2,4-Trimethylbezene	U	0.50	0.58	116	0.50	0.57	114	2	70 - 130	30

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ 68P
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: ROSELLE PARK
Project Number: 161
LM Contact: R. PHILLIPS Phone: 732-762-9231

No: 01380
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOC	TIME	PID*		
5050	15781	AMB. AIR @ A-C3	A	7/22/05	1	6 LITER SUMMA/NONE	X	11:53	—		
5051.	15782	TRIP/LAT BLANK					X	11:50	—		
5052.	15783	A-C4 SGS					X	10:37	33.5		
5053.	15784	A-G7 SGS					X	10:25	0.8		
5054.	15785	A-C3 SGS					X	12:48	0.8		
5055.	15786	W-C2 SGS					X	12:09	0.0		
5056.	15787	A-C5 SGS					X	10:51	5.1		
5057.	15788	A-E7 SGS					X	10:02	1.1		
5058.	15789	A-C6 SGS					X	09:51	1.7		
5059	15790	W-B10 SGS					X	12:20	2.2		
5060	15791	W-G7 SGS					X	12:28	2.0		

RSD

040

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

SGS = SOIL GAS - SUMMA

* PID IN PPM

QA = [illegible]

Received Room Temp. [illegible]

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
RE/ANALYSIS	[illegible]	7/22/05	[illegible]	7/22/05	15:20	RE/Analysis	[illegible]	7/22/05	[illegible]	[illegible]	1:25 p

0161-SAR-090705

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C00-223~~ EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: ROSELLE, ARK
Project Number: 161
LM Contact: R. PHILLIPS Phone: 732-762-9231

No: 19182
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOC	Time
4977	13306	A-G1	A	7/20/05	1	1 LITER TEDLAR / ~~NONE~~ DARK	X	11:00
4978	13308	A-E1	↓	↓	↓	↓	↓	10:50
4979	13315	AMBIENT AIR	↓	↓	↓	↓	↓	11:30
4980	13316	TRIP/LOT BLNK	↓	↓	↓	↓	↓	11:30
4981	13317	A-E1 DUP	↓	↓	↓	↓	↓	11:00
4982	13318	A-G7	↓	↓	↓	↓	↓	10:00
4983	13320	A-D8	↓	↓	↓	↓	↓	10:30
4984	13321	A-C9	↓	↓	↓	↓	↓	10:00
4985	13322	A-D5	↓	↓	↓	↓	↓	11:00

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

QA/QC a.m.H.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received in a cooler JM Received Room Temp, JM

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	[illegible]	7/20/05	[illegible]	7/20/05	12:25	ALL/Analysis	[illegible]	7/20/05	[illegible]	7/20/05	[illegible]

041

0161-AR-090705

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ RP
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: ROSELLE PARK
Project Number: 161
LM Contact: R. PHILIPS Phone: 732-762-9251

No: 19183
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification — **Analyses Requested** *

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles (Tedlar Bag RP)	Container/Preservative	VOC	TIME	PID (PPM)
4986	13323	A-G5	A	7/20/05	1	1 LITER TEDLAR/~~NONE~~ RP	X	12:00	0.0
4987	13324	A-A3	↓	↓	↓	↓ DARK	X	13:30	0.0
~~4988~~	~~13325~~ RP	~~A-A3 DUP~~ RP					~~X~~	~~13:30~~	~~0.0~~
4989	13326	A-E3					X	13:30	0.5
4990	12544	A-B2	↓	↓	↓	↓	X	13:30	0.0
4991	13325	A-E3 DUP	↓	↓	↓	↓	X	13:30	0.0

RP

042

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

* PID IN PPM

QA/QC by RDW

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received in a black plastic bag at room temp. JM

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
AE/ANALYSIS	[signature]	7/20/05	[signature]	7/20/05	15:15	5/VOC Analysis	[signature]	7/20/05	[signature]	7/18/05	10:40

0161-DAR-090705

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ RSP
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: ROSELLE [illegible]
Project Number: 161
LM Contact: R. PHILLIPS Phone: 732-762-9231

No: 01376
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification							Analyses Requested				
REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles (TEDLAR BAG)	Container/Preservative	VOC	PID *	TIME		
5007	- 15751	W-A9 SG	A	7/21/05	1	1 LITER TEDLAR/DARK	X	0.2	10:10		
5008	- 15752	W-G9 SG					X	0.4	10:30		
5009	- 15753	W-E8 SG ~~DUP~~					X	0.2	9:50		
5010*	- 15754	W-J1 SG					X	0.0	10:25		
5011	- 15755	W-C8 SG					X	0.2	9:40		
5012	- 15756	W-A5 SG					X	0.1	11:15		
5013	- 15757	W-G3 SG					X	0.0	11:05		
5014	- 15758	W-J3 SG					X	0.0	11:15		
5015	- 15759	W-G1 SG					X	0.0	10:50		
5016	- 15760	W-E5 SG					X	0.0	11:30		
5017	- 15761	W-E9 SG					X	0.1	10:30		
5018	- 15762	W-E1 SG					X	0.0	11:00		
5019	- 15763	W-D3 SG					X	0.0	11:45		
5020	15764	W-D6 SG					X	0.2	12:05		
5021	15765	W-D6 SG DUP					X	0.2	12:05		
5022	15766	W-D10 SG DUP					X	1.1	12:10		
5023	15767	W-B10 SG					X	0.7	12:00		
5024	15768	W-D10 SG					X	1.1	12:10		

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

QA/QC G.M.H.

*PID IN PPM

Sample 5010 does not have sufficient volume for Analysis

Received in black plastic bag at room temperature

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
NS/ANALYSIS	[illegible]	7/21/05	[illegible]	7/21/05	14:00	B/Analysis	[illegible]	7/21/05	[illegible]	7/21/05	16:30

0163-DAR-090705

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: ROSELLE PARK
Project Number: 161
LM Contact: R. PHILLIPS Phone: 732-762-9231

No: 01377
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of containers	Container/Preservative	VOC	TIME	PID *
5027	15770	A-H2 SG	A	7/22/05	1	1 LITER TEDLAR/DARK	X	10:05	0.0
5028	15771	A-C5 SG	↓	↓	↓	↓	X	10:45	5.1
5029	15772	A-F2 SG					X	9:55	0.0
5030	15773	A-H4 SG					X	10:25	0.7
5031	15774	A-E6 SG					X	10:10	0.8
5032	15775	A-C6 SG					X	9:40	1.7
5033	15776	A-C4 SG					X	10:30	33.5
5034	15777	A-E7 SG					X	10:00	1.1
5035	15778	A-B4 SG					X	10:50	3.5
5036	15779	A-C2 SG					X	11:15	2.5
5037	15780	A-A1 SG	↓	↓	↓	↓	X	11:35	1.6

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

* PID in PPM

A.M.H. QA/QC

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received in a black plastic bag at room temperature JM

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
VOC/ANALYSIS	[redacted]	7/22/05	[redacted]	7/22/05	12:15	All/Analysis	[redacted]	7/22/05	[redacted]	7/22/05	12:45

016-DAR-090705

Appendix E

APPENDIX E

Surface Soil Laboratory Analytical Report
Semivolatile Organic Compounds
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

CLP DATA ASSESSMENT

Functional Guidelines for Evaluating Organic Analysis

CASE No.: 34462
LABORATORY: A4
SAMPLER: REAC/ERT

SDG No.: B35Q1 and B35S1
SITE: Roselle Park Baseball Fields
ANALYSIS: TCL-BNA

DATA ASSESSMENT

The current SOP HW-6 (Revision 12) March 2001, USEPA Region II Data Validation SOP for Statement of Work OLMO 4.3 for evaluating organic data have been applied.

All data are valid and acceptable except those analytes rejected "R"(unusable). Due to the detection of QC problems, some analytes may have the "J" (estimated), "N"(presumptive evidence for the presence of the material, "U" (non-detect) or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer's Signature: Habteab Ghebreyesus Date: September 15, 2005

Verified By: _____ Date: 9/19/05

CLP DATA ASSESSMENT

B35Q1

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

No problems found for this qualification.

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No problems found for this qualification.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No qualification based on MS/MSD data.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:

No contamination in method blank.

B) Field or rinse blank contamination:

No field blank for this SDG.

CLP DATA ASSESSMENT

C) Trip blank contamination for VOA aqueous samples:

Not applicable.

D) Storage Blank associated with VOA samples only

Not applicable.

E) Tics "R" rejected
Benzo(k)fluoranthene, B35Q1, B35Q2, B35Q5, B35Q7, B35Q9, B35R3, B35R4, B35R5DL, B35R8
Benzo(a)pyrene, B35Q7, B35Q9DL, B35R2, B35R5DL
Indeno(1,2,3-cd)pyrene, B35R0
Benzo(g,h,l)perylene, B35Q9, B35R1, B35R9

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems found for this qualification.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

B)Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these

CLP DATA ASSESSMENT

reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the sample shown were qualified for %RSD and %D:

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Pentachlorophenol
B35Q1, B35Q2, B35Q3, B35Q4, B35Q5, B35Q6, B35Q7, B35Q8, B35Q8MS, B35Q8MSD, B35Q9, B35Q9DL, B35R0, B35R1, B35R2, B35R3, B35R4, B35R5, B35R5DL, B35R6, B35R7, B35R8, B35R9, B35W1, SBLK5R

DC-15 The following semivolatile samples are associated with a continuing calibration relative response factor (RRF50) outside expanded criteria. Hits are qualified "J" and non-detects are flagged "R".

2,4-Dinitrophenol
B35Q1, B35Q2, B35Q3, B35Q4, B35Q5, B35Q6, B35Q7, B35Q8, B35Q8MS, B35Q8MSD, B35Q9, B35Q9DL, B35R0, B35R1, B35R2, B35R3, B35R4, B35R5, B35R5DL, B35R6, B35R7, B35R8, B35R9, B35W1, SBLK5R

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction.

No problems found for this qualification.

8. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

CLP DATA ASSESSMENT

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

Not applicable.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

10. FIELD DOCUMENTATION:

11. OTHER PROBLEMS

Sample B35R5 analytes Benzo(a)anthracene, Chrsene and Benzo(a)pyrene, when diluted the reported values were lower than the CRQL. Using professional judgement the validator kept the original result and qualified "J".

12. This package contains re-extractions, re-analyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified not to be used.

B35Q9DL, B35R5DL

CLP DATA ASSESSMENT

B35S1

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

No problems found for this qualification.

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No problems found for this qualification.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No qualification based on MS/MSD data.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:

No contamination in method blank.

B) Field or rinse blank contamination:

No field blank for this SDG.

CLP DATA ASSESSMENT

C) Trip blank contamination for VOA aqueous samples:

Not applicable.

D) Storage Blank associated with VOA samples only

Not applicable.

E) Tics "R" rejected
Unknown, B35S1, B35S4, B35S5, B35S6, B35S8, B35S9, B35T0, B35T1, B35T2, B35T3, B35T4, B35T5, B35T6, B35T7
Benzo(k)fluoranthene, B35S1, B35S3, B35S4, B35S7, B35S7DL, B35T0, B35T1, B35T4, B35T5, B35T6, B35T7
Benzo(a)pyrene, B35T3

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems found for this qualification.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

B)Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent

CLP DATA ASSESSMENT

D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the sample shown were qualified for %RSD and %D:

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,4-Dinitrophenol
B35S1, B35S2, B35S3, B35S3MS, B35S3MSD, B35S4, B35S5, B35S6, B35S7, B35S7DL, B35S8, B35S9, B35T0, B35T1, B35T2, B35T3, B35T4, B35T5, B35T6, B35T7, B35T8, B35T9, B35W0, SBLK5S

Pentachlorophenol
B35S1, B35S2, B35S3, B35S3MS, B35S3MSD, B35S4, B35S5, B35S6, B35S7, B35S7DL, B35S8, B35S9, B35T0, B35T1, B35T2, B35T3, B35T4, B35T5, B35T6, B35T7, B35T8, B35T9, B35W0, SBLK5S

DC-15 The following semivolatile samples are associated with a continuing calibration relative response factor (RRF50) outside expanded criteria. Hits are qualified "J" and non-detects are flagged "R".

2,4-Dinitrophenol
B35S7DL, B35T8, B35T9, B35W0

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction.

No problems found for this qualification.

8. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

CLP DATA ASSESSMENT

For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

Not applicable.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

10. FIELD DOCUMENTATION:

11. OTHER PROBLEMS

12. This package contains re-extractions, re-analyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified not to be used.
B35S7DL

RECEIVED
AUG 10 2005
HAZ. WASTE SUPPORT SEC.

Sample Delivery Group(SDG)
Cover Sheet

SDG Number: B35Q1

Laboratory Name.: A4 SCIENTIFIC, INC.
Laboratory Code.: A4
Contract No.: 68W03027
Case No.: 34462
Analysis Price:
SDG Turnaround: 14 days

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)B35Q1	7)B35Q7	13)B35R3	19)B35R9
2)B35Q2	8)B35Q8	14)B35R4	20)B35W1
3)B35Q3	9)B35Q9	15)B35R5	21)
4)B35Q4	10)B35R0	16)B35R6	22)
5)B35Q5	11)B35R1	17)B35R7	23)
6)B35Q6	12)B35R2	18)B35R8	24)

B35Q1
First Sample in SDG

B35W1
Last Sample in SDG

07/27/2005
First Sample Receipt Date

07/27/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature Sumanadeddy / QC Coordinator

Date 7/27/05

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2870

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 31 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	480	U
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
98-86-2	Acetophenone	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
105-60-2	Caprolactam	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	480	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
606-20-2	2,6-Dinitrotoluene	480	U
208-96-8	Acenaphthylene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

00000022

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2870

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 31 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	~~U~~ R
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
86-73-7	Fluorene	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
1912-24-9	Atrazine	480	U
87-86-5	Pentachlorophenol	1200	U J
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	55	J
86-74-8	Carbazole	480	U
84-74-2	Di-n-butylphthalate	480	U
206-44-0	Fluoranthene	540	
129-00-0	Pyrene	430	J
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	250	J
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	300	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	J
53-70-3	Dibenzo(a,h)anthracene	51	J
191-24-2	Benzo(g,h,i)perylene	150	J

000000023

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2870

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 31 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	056554-90-6	13-Octadecenal	15.31	620	JN
2.	000207-08-9	Benzo[k]fluoranthene	16.25	240	~~JN~~ R
3.		UNKNOWN	21.01	130	J
4.					
5.					
6.					
7.					
8.					
9.					
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30.					

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2871

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	56	J
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	440	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	440	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	1100	U
99-09-2	3-Nitroaniline	440	U
83-32-9	Acenaphthene		

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2871

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ K
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	78	J
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	790	
129-00-0	Pyrene	880	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	410	J
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)phthalate	180	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	460	
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	360	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	77	J
191-24-2	Benzo(g,h,i)perylene	230	J

000000045

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2871

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 23 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	140	J
2.		UNKNOWN	3.30	110	J
3.		UNKNOWN	6.89	92	J
4.	000613-12-7	Anthracene, 2-methyl-	10.78	180	JN
5.	002531-84-2	Phenanthrene, 2-methyl-	10.81	180	JN
6.		UNKNOWN	10.91	280	J
7.		UNKNOWN	10.94	100	J
8.	006572-60-7	Tricyclo[8.2.2.2(4,7)]hexade	11.14	120	JN
9.	000084-65-1	9,10-Anthracenedione	11.18	120	JN
10.	000781-43-1	9,10-Dimethylanthracene	11.46	170	JN
11.		UNKNOWN	11.57	110	J
12.	000243-17-4	11H-Benzo[b]fluorene	12.35	120	JN
13.		UNKNOWN	15.13	180	J
14.	056554-87-1	16-Octadecenal	15.31	1300	JN
15.	000207-08-9	Benzo[k]fluoranthene	15.80	120	~~JN~~ K
16.		UNKNOWN	15.92	150	J
17.	005454-48-8	Bromoacetic acid, hexadecyl	15.93	250	JN
18.		UNKNOWN	15.94	140	J
19.	000192-97-2	Benzo[e]pyrene	16.25	370	JN
20.		UNKNOWN	17.33	210	J
21.	000112-95-8	Eicosane	17.99	420	JN
22.	000112-95-8	Eicosane	18.00	100	JN
23.		UNKNOWN	25.24	110	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2872

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2872

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	~~U~~ R
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U J
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	640	
129-00-0	Pyrene	590	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	430	
207-08-9	Benzo(k)fluoranthene	160	J
50-32-8	Benzo(a)pyrene	320	J
193-39-5	Indeno(1,2,3-cd)pyrene	270	J
53-70-3	Dibenzo(a,h)anthracene	68	J
191-24-2	Benzo(g,h,i)perylene	220	J

000000089

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2872

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

Number TICS found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	85	J
2.		UNKNOWN	8.54	91	J
3.	002531-84-2	Phenanthrene, 2-methyl-	10.94	94	JN
4.	000781-92-0	Anthracene, 1,4-dimethyl-	11.46	98	JN
5.	033543-31-6	Fluoranthene, 2-methyl-	12.35	120	JN
6.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.28	85	JN
7.		UNKNOWN	14.94	160	J
8.	007683-64-9	Squalene	15.13	310	JN
9.	1000144-57-9	16-Heptadecenal	15.32	1200	JN
10.		UNKNOWN	15.81	100	J
11.	000629-96-9	1-Eicosanol	15.90	370	JN
12.		UNKNOWN	15.91	420	J
13.		UNKNOWN	15.92	350	J
14.	000198-55-0	Perylene	16.25	360	JN
15.		UNKNOWN	16.61	88	J
16.	067860-04-2	Oxirane, heptadecyl-	17.33	290	JN
17.	067860-04-2	Oxirane, heptadecyl-	17.34	110	JN
18.		UNKNOWN	22.36	88	J
19.		UNKNOWN	25.21	160	J
20.		UNKNOWN	25.22	110	J
21.					
22.					
23.					
24.					
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26.					
27.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2873

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	36	J
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	350	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2873

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	~~U~~ R
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	880	U J
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	52	J
129-00-0	Pyrene	57	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	36	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	51	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	36	J
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

000000132

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2873

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.25	81	J
2.	UNKNOWN	3.30	72	J
3.	UNKNOWN	14.44	120	J
4.	UNKNOWN	14.94	110	J
5.	UNKNOWN	15.13	160	J
6. 002425-85-6	2-Naphthalenol, 1-[(4-methyl	19.09	860	JN
7.				
8.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.005

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2874

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 10 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	360	U

000000151

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.005

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2874

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	~~U~~ R
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	920	U J
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	480	
129-00-0	Pyrene	460	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	96	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	350	J
207-08-9	Benzo(k)fluoranthene	89	J
50-32-8	Benzo(a)pyrene	240	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenzo(a,h)anthracene	47	J
191-24-2	Benzo(g,h,i)perylene	170	J

000000152

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.005

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2874

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICS found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	77	J
2.	001576-67-6	Phenanthrene, 3,6-dimethyl-	11.46	75	JN
3.	033543-31-6	Fluoranthene, 2-methyl-	12.35	95	JN
4.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.28	79	JN
5.		UNKNOWN	14.94	320	J
6.	000111-02-4	2,6,10,14,18,22-Tetracosahex	15.13	170	JN
7.	000638-66-4	Octadecanal	15.32	680	JN
8.	018992-03-5	Bromoacetic acid, octadecyl	15.91	230	JN
9.	001599-67-3	1-Docosene	15.92	140	JN
10.	056221-91-1	13-Tetradecen-1-ol acetate	15.93	150	JN
11.	1000283-04-2	Pentafluoropropionic acid, h	15.94	87	JN
12.	000207-08-9	Benzo[k]fluoranthene	16.25	290	~~JN~~ K
13.	067860-04-2	Oxirane, heptadecyl-	17.33	100	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.006

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2875

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	57	J
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.006

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2875

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	~~U~~ R
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U J
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	97	J
86-74-8	Carbazole	62	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	48	J
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	660	
218-01-9	Chrysene	680	
117-81-7	bis(2-Ethylhexyl)phthalate	180	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	920	
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	640	
193-39-5	Indeno(1,2,3-cd)pyrene	480	
53-70-3	Dibenzo(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	410	

000000187

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.006

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2875

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	110	J
2.		UNKNOWN	3.30	95	J
3.	002531-84-2	Phenanthrene, 2-methyl-	10.78	120	JN
4.	002531-84-2	Phenanthrene, 2-methyl-	10.81	110	JN
5.		UNKNOWN	10.92	120	J
6.	002531-84-2	Phenanthrene, 2-methyl-	10.94	110	JN
7.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.46	170	JN
8.		UNKNOWN	11.57	160	J
9.	000243-17-4	11H-Benzo[b]fluorene	12.35	150	JN
10.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.28	100	JN
11.		UNKNOWN	14.94	360	J
12.		UNKNOWN	15.13	140	J
13.	000638-66-4	Octadecanal	15.32	2400	JN
14.		UNKNOWN	15.80	140	J
15.	001599-67-3	1-Docosene	15.88	1400	JN
16.	001599-67-3	1-Docosene	15.89	1200	JN
17.	000198-55-0	Perylene	16.25	600	JN
18.	000198-55-0	Perylene	16.62	140	JN
19.		UNKNOWN	17.33	450	J
20.		UNKNOWN	23.08	120	J
21.	001058-61-3	Stigmast-4-en-3-one	25.22	190	JN
22.		UNKNOWN	25.24	270	J
23.		UNKNOWN	25.26	120	J
24.	000058-22-0	Testosterone	25.28	110	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.007

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2876

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 32 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	490	U
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)ether	490	U
95-57-8	2-Chlorophenol	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
98-86-2	Acetophenone	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-di-n-propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
91-20-3	Naphthalene	490	U
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
105-60-2	Caprolactam	490	U
59-50-7	4-Chloro-3-methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	490	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	490	U
606-20-2	2,6-Dinitrotoluene	490	U
208-96-8	Acenaphthylene	490	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	490	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.007

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2876

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 32 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1200	~~U~~ R
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	490	U
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
86-73-7	Fluorene	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
1912-24-9	Atrazine	490	U
87-86-5	Pentachlorophenol	1200	U J
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	50	J
86-74-8	Carbazole	490	U
84-74-2	Di-n-butylphthalate	490	U
206-44-0	Fluoranthene	750	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)anthracene	410	J
218-01-9	Chrysene	430	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	490	U
205-99-2	Benzo(b)fluoranthene	590	
207-08-9	Benzo(k)fluoranthene	180	J
50-32-8	Benzo(a)pyrene	410	J
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	90	J
191-24-2	Benzo(g,h,i)perylene	300	J

000000237

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.007

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2876

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 32 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.25	110	J
2.	UNKNOWN	3.30	110	J
3. 000781-92-0	Anthracene, 1,4-dimethyl-	11.46	170	JN
4.	UNKNOWN	14.94	290	J
5.	UNKNOWN	15.13	320	J
6.	UNKNOWN	15.32	800	J
7. 000050-32-8	Benzo[a]pyrene	15.81	130	~~JN~~ R
8.	UNKNOWN	15.91	270	J
9. 129086-73-3	Ethyl .alpha.-hydroxymyrista	15.92	210	JN
10. 000207-08-9	Benzo[k]fluoranthene	16.25	390	~~JN~~ R
11.	UNKNOWN	16.62	100	J
12.	UNKNOWN	16.82	170	J
13.	UNKNOWN	21.28	140	J
14.	UNKNOWN	21.29	210	J
15.	UNKNOWN	21.31	120	J
16.	UNKNOWN	21.33	180	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.008

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2877

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.008

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2877

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	~~U~~ K
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U J
85-01-8	Phenanthrene	68	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	100	J
117-81-7	bis(2-Ethylhexyl)phthalate	280	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	130	J
207-08-9	Benzo(k)fluoranthene	54	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	86	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	77	J

000000275

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.008

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2877

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	88	J
2.		UNKNOWN	14.94	250	J
3.	1000163-04-7	Docosa-2,6,10,14,18-pentaen-	15.13	80	JN
4.	1000144-58-0	14-Heptadecenal	15.32	270	JN
5.	000198-55-0	Perylene	16.25	100	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.009

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2880

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	45	J
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	44	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	88	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	120	J

000008297

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Q9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.009

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2880

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	82	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	140	J
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	2400	
120-12-7	Anthracene	410	
86-74-8	Carbazole	150	J
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	+ 3400 ~~4100~~	~~B~~
129-00-0	Pyrene	+ 3000 ~~3800~~	~~B~~
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	1600	
218-01-9	Chrysene	1700	
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	530	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenzo(a,h)anthracene	260	J
191-24-2	Benzo(g,h,i)perylene	880	

(1) Cannot be separated from Diphenylamine

000000298

FORM I SV-2

OLM04.3

+ transferred from dilution

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Q9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.009

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2880

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.36	340	J
2.	000132-65-0	Dibenzothiophene	10.03	130	JN
3.	002531-84-2	Phenanthrene, 2-methyl-	10.78	430	JN
4.	002531-84-2	Phenanthrene, 2-methyl-	10.81	470	JN
5.	002531-84-2	Phenanthrene, 2-methyl-	10.87	130	JN
6.		UNKNOWN	10.91	400	J
7.		UNKNOWN	10.92	520	J
8.	035465-71-5	2-Phenylnaphthalene	11.14	350	JN
9.	000084-65-1	9,10-Anthracenedione	11.18	310	JN
10.	003674-69-9	Phenanthrene, 4,5-dimethyl-	11.32	180	JN
11.	002789-88-0	di-p-Tolylacetylene	11.46	320	JN
12.		UNKNOWN	11.50	150	J
13.	005737-13-3	Cyclopenta(def)phenanthrenon	11.57	250	JN
14.	000243-17-4	11H-Benzo[b]fluorene	12.35	230	JN
15.	000112-84-5	13-Docosenamide, (Z)-	14.95	170	JN
16.		UNKNOWN	15.13	260	J
17.	014811-95-1	1,19-Eicosadiene	15.32	1300	JN
18.	000205-99-2	Benz[e]acephenanthrylene	15.80	160	JN
19.	000207-08-9	Benzo[k]fluoranthene	15.81	330	~~JN~~ R
20.	1000259-58-5	Pentadec-7-ene, 7-bromomethy	15.90	560	JN
21.	074339-54-1	Trichloroacetic acid, hexade	15.92	290	JN
22.	000198-55-0	Perylene	16.26	1300	JN
23.	000205-82-3	Benzo[j]fluoranthene	16.63	330	JN
24.	000638-66-4	Octadecanal	17.33	220	JN
25.	000191-24-2	Benzo[ghi]perylene	22.20	240	~~JN~~ R
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.010

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2881

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.010

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2881

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	~~U~~ K
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	990	U J
85-01-8	Phenanthrene	410	
120-12-7	Anthracene	64	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	850	
129-00-0	Pyrene	840	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	
218-01-9	Chrysene	420	
117-81-7	bis(2-Ethylhexyl)phthalate	99	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	560	
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	410	
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	73	J
191-24-2	Benzo(g,h,i)perylene	260	J

000000385

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.010

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2881

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	002531-84-2	Phenanthrene, 2-methyl-	10.78	99	JN
2.	002531-84-2	Phenanthrene, 2-methyl-	10.81	100	JN
3.		UNKNOWN	10.91	110	J
4.		UNKNOWN	10.92	120	J
5.	000084-65-1	9,10-Anthracenedione	11.18	96	JN
6.	002789-88-0	di-p-Tolylacetylene	11.46	120	JN
7.	003442-78-2	Pyrene, 2-methyl-	12.35	130	JN
8.		UNKNOWN	14.94	350	J
9.		UNKNOWN	15.13	120	J
10.	014811-95-1	1,19-Eicosadiene	15.32	1400	JN
11.		UNKNOWN	15.81	170	J
12.		UNKNOWN	15.89	670	J
13.		UNKNOWN	15.90	1300	J
14.		UNKNOWN	15.91	1100	J
15.		UNKNOWN	15.93	230	J
16.		UNKNOWN	15.94	350	J
17.	000198-55-0	Perylene	16.25	430	JN
18.	000205-99-2	Benz[e]acephenanthrylene	16.62	99	JN
19.		UNKNOWN	16.83	240	J
20.	067860-04-2	Oxirane, heptadecyl-	17.34	360	JN
21.	000193-39-5	Indeno[1,2,3-cd]pyrene	20.37	100	~~JN~~ K
22.		UNKNOWN	25.22	220	J
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.011

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2882

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

000000433

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.011

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2882

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	56	J
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	820	
129-00-0	Pyrene	710	
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	380	J
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)phthalate	92	J
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	550	
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	400	J
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	74	J
191-24-2	Benzo(g,h,i)perylene	280	J

000000434

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.011

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2882

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	120	J
2.	000781-92-0	Anthracene, 1,4-dimethyl-	11.46	95	JN
3.	005737-13-3	Cyclopenta(def)phenanthrenon	11.57	100	JN
4.	000112-84-5	13-Docosenamide, (Z)-	14.94	230	JN
5.	000638-66-4	Octadecanal	15.32	660	JN
6.		UNKNOWN	15.81	120	J
7.		UNKNOWN	15.90	600	J
8.	118625-56-2	1-Hexadecene, 16-bromo-	15.91	690	JN
9.	118625-56-2	1-Hexadecene, 16-bromo-	15.93	130	JN
10.	000192-97-2	Benzo[e]pyrene	16.25	370	JN
11.		UNKNOWN	17.33	97	J
12.		UNKNOWN	17.34	110	J
13.		UNKNOWN	18.00	320	J
14.	000191-24-2	Benzo[ghi]perylene	20.34	110	~~JN~~ R
15.		UNKNOWN	21.29	100	J
16.		UNKNOWN	21.30	110	J
17.		UNKNOWN	21.31	150	J
18.		UNKNOWN	21.33	140	J
19.		UNKNOWN	22.31	180	J
20.					
21.					
22.					
23.					
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28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2883

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 9 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	910	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	360	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2883

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	~~U~~ R
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	910	U J
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	54	J
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	730	
218-01-9	Chrysene	750	
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	930	
207-08-9	Benzo(k)fluoranthene	300	J
50-32-8	Benzo(a)pyrene	670	
193-39-5	Indeno(1,2,3-cd)pyrene	510	
53-70-3	Dibenzo(a,h)anthracene	130	J
191-24-2	Benzo(g,h,i)perylene	410	

000000473

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2883

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	002156-97-0	Dodecyl acrylate	9.36	100	JN
2.	000832-69-9	Phenanthrene, 1-methyl-	10.78	110	JN
3.	002531-84-2	Phenanthrene, 2-methyl-	10.81	130	JN
4.		UNKNOWN	10.92	150	J
5.	002531-84-2	Phenanthrene, 2-methyl-	10.94	120	JN
6.	034373-96-1	9,10-Bis(bromomethyl)anthrac	11.14	81	JN
7.	000084-65-1	9,10-Anthracenedione	11.18	98	JN
8.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.46	160	JN
9.	005737-13-3	Cyclopenta(def)phenanthrenon	11.57	110	JN
10.	000238-84-6	11H-Benzo[a]fluorene	12.35	130	JN
11.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	13.15	96	JN
12.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.28	84	JN
13.	067860-04-2	Oxirane, heptadecyl-	15.32	890	JN
14.	000198-55-0	Perylene	15.81	180	JN
15.	002917-26-2	1-Hexadecanethiol	15.90	540	JN
16.	002917-26-2	1-Hexadecanethiol	15.92	200	JN
17.	000198-55-0	Perylene	16.26	570	JN
18.	000050-32-8	Benzo[a]pyrene	16.63	150	~~JN~~ R
19.		UNKNOWN	17.33	94	J
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.013

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2884

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

000000512

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.013

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2884

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	470	
120-12-7	Anthracene	88	J
86-74-8	Carbazole	72	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	530	
218-01-9	Chrysene	580	
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	720	
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	530	
193-39-5	Indeno(1,2,3-cd)pyrene	390	J
53-70-3	Dibenzo(a,h)anthracene	96	J
191-24-2	Benzo(g,h,i)perylene	360	J

000000513

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.013

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2884

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	91	J
2.	002531-84-2	Phenanthrene, 2-methyl-	10.78	91	JN
3.		UNKNOWN	10.92	97	J
4.	000781-43-1	9,10-Dimethylanthracene	11.46	140	JN
5.	033543-31-6	Fluoranthene, 2-methyl-	12.35	150	JN
6.		UNKNOWN	14.94	120	J
7.	007390-81-0	Oxirane, hexadecyl-	15.32	1200	JN
8.	000192-97-2	Benzo[e]pyrene	15.82	190	JN
9.		UNKNOWN	15.89	960	J
10.		UNKNOWN	15.90	780	J
11.		UNKNOWN	15.91	250	J
12.		UNKNOWN	15.93	170	J
13.		UNKNOWN	16.02	120	J
14.	000198-55-0	Perylene	16.26	530	JN
15.	000207-08-9	Benzo[k]fluoranthene	16.63	140	~~JN~~ PK
16.	018633-25-5	Oxirane, tridecyl-	17.34	94	JN
17.	018633-25-5	Oxirane, tridecyl-	17.34	250	JN
18.					
19.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.014

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2885

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	66	J
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	52	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	160	J

00000553

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.014

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2885

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	110	J
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	140	J
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	330	J
86-74-8	Carbazole	180	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	3100	
129-00-0	Pyrene	3000	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	590	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	230	J
191-24-2	Benzo(g,h,i)perylene	910	

000000554

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.014

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2885

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	002531-84-2	Phenanthrene, 2-methyl-	10.78	290	JN
2.	002531-84-2	Phenanthrene, 2-methyl-	10.81	280	JN
3.	000832-69-9	Phenanthrene, 1-methyl-	10.91	210	JN
4.		UNKNOWN	10.92	310	J
5.	035465-71-5	2-Phenylnaphthalene	11.14	190	JN
6.	000084-65-1	9,10-Anthracenedione	11.18	230	JN
7.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.46	320	JN
8.	005737-13-3	Cyclopenta(def)phenanthrenon	11.57	180	JN
9.	033543-31-6	Fluoranthene, 2-methyl-	12.35	190	JN
10.	014811-95-1	1,19-Eicosadiene	15.32	1700	JN
11.	000198-55-0	Perylene	15.80	320	JN
12.	000207-08-9	Benzo[k]fluoranthene	15.82	540	~~JN~~ K
13.	000506-52-5	1-Hexacosanol	15.89	750	JN
14.	016742-51-1	Hexadecanoic acid, 2-hydroxy	15.90	1600	JN
15.	005337-61-1	2-Octadecyl-propane-1,3-diol	15.92	360	JN
16.		UNKNOWN	16.06	330	J
17.	000198-55-0	Perylene	16.27	1200	JN
18.	000205-99-2	Benz[e]acephenanthrylene	16.63	420	JN
19.	000638-66-4	Octadecanal	17.34	390	JN
20.	000638-66-4	Octadecanal	17.35	160	JN
21.		UNKNOWN	17.37	150	J
22.	000629-94-7	Heneicosane	18.00	640	JN
23.		UNKNOWN	18.93	210	J
24.	000213-46-7	1,2:7,8-Dibenzophenanthrene	20.88	200	JN
25.		UNKNOWN	23.32	180	J
26.		UNKNOWN	23.33	120	J
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2886

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	110	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	88	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	150	J
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	520	

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1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2886

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	970	~~U~~ R
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	240	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	530	
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U J
85-01-8	Phenanthrene	4600 ~~6000~~	~~B~~
120-12-7	Anthracene	1100	
86-74-8	Carbazole	480	
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	7700 ~~10000~~	~~E~~
129-00-0	Pyrene	6500 ~~8000~~	~~E~~
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	4200	~~E~~ J
218-01-9	Chrysene	3900	~~E~~ J
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	4600 ~~6000~~	~~E~~
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	4400	~~E~~ J
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
53-70-3	Dibenzo(a,h)anthracene	610	
191-24-2	Benzo(g,h,i)perylene	2100	

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(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2886

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	001730-37-6	9H-Fluorene, 1-methyl-	9.67	240	JN
2.	000486-25-9	9H-Fluoren-9-one	9.92	300	JN
3.	000268-77-9	Naphtho[2,3-b]thiophene	10.03	290	JN
4.	002531-84-2	Phenanthrene, 2-methyl-	10.78	960	JN
5.	000832-69-9	Phenanthrene, 1-methyl-	10.82	1200	JN
6.	002531-84-2	Phenanthrene, 2-methyl-	10.87	480	JN
7.		UNKNOWN	10.92	2200	J
8.	035465-71-5	2-Phenylnaphthalene	11.14	510	JN
9.	000084-65-1	9,10-Anthracenedione	11.18	660	JN
10.	003674-69-9	Phenanthrene, 4,5-dimethyl-	11.32	290	JN
11.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.46	690	JN
12.	002789-88-0	di-p-Tolylacetylene	11.53	310	JN
13.	005737-13-3	Cyclopenta(def)phenanthrenon	11.58	470	JN
14.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.74	250	JN
15.		UNKNOWN	15.23	250	J
16.	014811-95-1	1,19-Eicosadiene	15.33	1600	JN
17.	000207-93-2	Dinaphtho[1,2-b:1',2'-d]fura	15.76	260	JN
18.	000207-93-2	Dinaphtho[1,2-b:1',2'-d]fura	16.04	460	JN
19.	000198-55-0	Perylene	16.29	3200	JN
20.	000192-97-2	Benzo[e]pyrene	16.67	860	JN
21.		UNKNOWN	17.97	260	J
22.		UNKNOWN	18.01	470	J
23.	000215-58-7	Benzo[b]triphenylene	20.92	260	JN
24.	000215-58-7	Benzo[b]triphenylene	21.08	280	JN
25.	000191-26-4	Dibenzo[def,mno]chrysene	22.26	470	JN
26.					
27.					
28.					
29.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2887

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	420	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	420	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	1100	U
99-09-2	3-Nitroaniline	420	U
83-32-9	Acenaphthene		

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1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2887

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	56	J
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	570	
129-00-0	Pyrene	470	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	300	J
117-81-7	bis(2-Ethylhexyl)phthalate	260	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	410	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	170	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2887

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICS found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	91	J
2.		UNKNOWN	14.95	120	J
3.	000106-28-5	2,6,10-Dodecatrien-1-ol, 3,7	15.14	130	JN
4.	056554-87-1	16-Octadecenal	15.32	730	JN
5.	041977-42-8	Cyclopropane, 1-(1,2-dimethy	15.90	450	JN
6.		UNKNOWN	15.91	550	J
7.		UNKNOWN	15.93	99	J
8.		UNKNOWN	15.95	110	J
9.	000192-97-2	Benzo[e]pyrene	16.26	300	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.017

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2888

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

000000711

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.017

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2888

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	88	J
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	120	J
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	68	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	210	J
207-08-9	Benzo(k)fluoranthene	56	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	110	J

000000712

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.017

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2888

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/02/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.90	170	J
2.	UNKNOWN	9.19	130	J
3.	UNKNOWN	14.95	260	J
4.	UNKNOWN	15.32	380	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2898

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 18 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	400	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	1000	U
99-09-2	3-Nitroaniline	51	J
83-32-9	Acenaphthene		

000000732

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2898

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	64	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	230	J
86-74-8	Carbazole	160	J
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	680	
218-01-9	Chrysene	690	
117-81-7	bis(2-Ethylhexyl)phthalate	81	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	820	
207-08-9	Benzo(k)fluoranthene	290	J
50-32-8	Benzo(a)pyrene	560	
193-39-5	Indeno(1,2,3-cd)pyrene	420	
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	370	J

(1) Cannot be separated from Diphenylamine

000000733

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2898

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	100	J
2.	002531-84-2	Phenanthrene, 2-methyl-	10.76	110	JN
3.	002531-84-2	Phenanthrene, 2-methyl-	10.80	120	JN
4.		UNKNOWN	10.90	160	J
5.	002531-84-2	Phenanthrene, 2-methyl-	10.93	100	JN
6.	000084-65-1	9,10-Anthracenedione	11.17	87	JN
7.	000238-84-6	11H-Benzo[a]fluorene	12.34	140	JN
8.		UNKNOWN	13.13	84	J
9.	007390-81-0	Oxirane, hexadecyl-	15.30	900	JN
10.		UNKNOWN	15.75	90	J
11.	000207-08-9	Benzo[k]fluoranthene	15.77	180	~~JN~~ R
12.		UNKNOWN	15.98	88	J
13.		UNKNOWN	16.00	88	J
14.	000192-97-2	Benzo[e]pyrene	16.22	570	JN
15.	000192-97-2	Benzo[e]pyrene	16.59	130	JN
16.		UNKNOWN	17.29	89	J
17.	007390-81-0	Oxirane, hexadecyl-	17.30	130	JN
18.		UNKNOWN	20.79	220	J
19.		UNKNOWN	22.11	120	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2899

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35R9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2899

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	84	J
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	49	J
206-44-0	Fluoranthene	900	
129-00-0	Pyrene	750	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	420	
218-01-9	Chrysene	450	
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	590	
207-08-9	Benzo(k)fluoranthene	190	J
50-32-8	Benzo(a)pyrene	410	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	84	J
191-24-2	Benzo(g,h,i)perylene	300	J

000000774

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35R9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.019

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2899

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICS found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	90	J
2.		UNKNOWN	10.90	150	J
3.	033543-31-6	Fluoranthene, 2-methyl-	12.34	110	JN
4.		UNKNOWN	14.92	270	J
5.		UNKNOWN	15.11	100	J
6.	007390-81-0	Oxirane, hexadecyl-	15.29	1600	JN
7.		UNKNOWN	15.75	110	J
8.	000192-97-2	Benzo[e]pyrene	15.78	160	JN
9.		UNKNOWN	15.95	160	J
10.	074685-33-9	3-Eicosene, (E)-	15.96	130	JN
11.	074339-54-1	Trichloroacetic acid, hexade	15.97	180	JN
12.		UNKNOWN	15.99	150	J
13.	000192-97-2	Benzo[e]pyrene	16.22	450	JN
14.	007390-81-0	Oxirane, hexadecyl-	17.30	300	JN
15.	000638-66-4	Octadecanal	17.31	130	JN
16.	000191-24-2	Benzo[ghi]perylene	20.27	360	~~JN~~ R
17.		UNKNOWN	21.84	93	J
18.		UNKNOWN	21.87	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2900

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted:(Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2900

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	430	J
120-12-7	Anthracene	83	J
86-74-8	Carbazole	55	J
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	860	
129-00-0	Pyrene	740	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	430	J
218-01-9	Chrysene	470	
117-81-7	bis(2-Ethylhexyl)phthalate	82	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	550	
207-08-9	Benzo(k)fluoranthene	190	J
50-32-8	Benzo(a)pyrene	410	J
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	86	J
191-24-2	Benzo(g,h,i)perylene	280	J

(1) Cannot be separated from Diphenylamine

000000813

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Q1

Matrix: (soil/water) SOIL Lab Sample ID: 6500.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2900

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 07/31/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.90	120	J
2. 002381-21-7	Pyrene, 1-methyl-	12.34	140	JN
3. 1000272-26-2	Benzenamine, 2-ethyl-N-(4,4-	13.13	89	JN
4. 000301-02-0	9-Octadecenamide, (Z)-	14.92	200	JN
5.	UNKNOWN	15.10	110	J
6. 007390-81-0	Oxirane, hexadecyl-	15.29	510	JN
7. 000198-55-0	Perylene	15.78	120	JN
8. 000192-97-2	Benzo[e]pyrene	16.22	400	JN
9.	UNKNOWN	16.59	93	J
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Sample Delivery Group(SDG)
Cover Sheet

SDG Number: B35S1

Laboratory Name.: A4 SCIENTIFIC, INC.

Laboratory Code.: A4

Contract No.: 68W03027

Case No.: 34462

Analysis Price:

SDG Turnaround: 14 days

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)B35S1	7)B35S7	13)B35T3	19)B35T9
2)B35S2	8)B35S8	14)B35T4	20)B35W0
3)B35S3	9)B35S9	15)B35T5	21)
4)B35S4	10)B35T0	16)B35T6	22)
5)B35S5	11)B35T1	17)B35T7	23)
6)B35S6	12)B35T2	18)B35T8	24)

B35S1
First Sample in SDG

B35W0
Last Sample in SDG

07/27/2005
First Sample Receipt Date

07/27/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature Sumanthaddy / QC Coordinator

Date 7/27/05

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2908

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 13 Decanted:(Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

000000821

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2908

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	950	U J
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U J
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	510	
129-00-0	Pyrene	480	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	280	J
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	470	
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	310	J
193-39-5	Indeno(1,2,3-cd)pyrene	250	J
53-70-3	Dibenzo(a,h)anthracene	65	J
191-24-2	Benzo(g,h,i)perylene	230	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2908

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	150	~~JB~~ R
2.	UNKNOWN	6.88	83	J
3. 000243-17-4	11H-Benzo[b]fluorene	12.33	91	JN
4. 000638-66-4	Octadecanal	15.28	640	JN
5.	UNKNOWN	15.74	91	J
6. 000207-08-9	Benzo[k]fluoranthene	15.75	130	~~JN~~ R
7. 000192-97-2	Benzo[e]pyrene	16.20	360	JN
8.	UNKNOWN	17.28	110	J
9.	UNKNOWN	20.75	77	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2909

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	910	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	360	U

000080050

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2909

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U J
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	910	U J
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	39	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	620	
129-00-0	Pyrene	590	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	65	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	520	
207-08-9	Benzo(k)fluoranthene	160	J
50-32-8	Benzo(a)pyrene	370	
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	68	J
191-24-2	Benzo(g,h,i)perylene	240	J

000000051

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2909

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 9 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 5

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.22	95	J
2.	UNKNOWN	10.89	120	J
3. 014811-95-1	1,19-Eicosadiene	15.28	280	JN
4.	UNKNOWN	15.76	87	J
5. 000192-97-2	Benzo[e]pyrene	16.21	380	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.003

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2910

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 13 Decanted:(Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.003

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2910

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	950	U J
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U J
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	40	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	610	
129-00-0	Pyrene	650	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	360	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	460	
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	340	J
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenzo(a,h)anthracene	56	J
191-24-2	Benzo(g,h,i)perylene	240	J

(1) Cannot be separated from Diphenylamine

000000075

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.003

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2910

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	003442-78-2	Pyrene, 2-methyl-	12.33	100	JN
2.		UNKNOWN	14.91	210	J
3.	000638-66-4	Octadecanal	15.28	520	JN
4.	000207-08-9	Benzo[k]fluoranthene	15.74	77	~~JN~~ B
5.		UNKNOWN	15.75	100	J
6.	000198-55-0	Perylene	16.20	320	JN
7.		UNKNOWN	21.20	84	J
8.		UNKNOWN	24.50	99	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2913

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 50 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	660	U
108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl)ether	660	U
95-57-8	2-Chlorophenol	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660	U
98-86-2	Acetophenone	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-di-n-propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
111-91-1	bis(2-Chloroethoxy)methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
91-20-3	Naphthalene	660	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	660	U
105-60-2	Caprolactam	660	U
59-50-7	4-Chloro-3-methylphenol	660	U
91-57-6	2-Methylnaphthalene	660	U
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	660	U
92-52-4	1,1'-Biphenyl	1600	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	660	U
131-11-3	Dimethylphthalate	1600	U
606-20-2	2,6-Dinitrotoluene	660	U
208-96-8	Acenaphthylene	660	U
99-09-2	3-Nitroaniline	660	U
83-32-9	Acenaphthene	1600	U
		660	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2913

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 50 Decanted:(Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1600	U J
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	660	U
121-14-2	2,4-Dinitrotoluene	660	U
84-66-2	Diethylphthalate	660	U
86-73-7	Fluorene	660	U
7005-72-3	4-Chlorophenyl-phenylether	660	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	660	U
101-55-3	4-Bromophenyl-phenylether	660	U
118-74-1	Hexachlorobenzene	660	U
1912-24-9	Atrazine	660	U
87-86-5	Pentachlorophenol	1600	U J
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	660	U
86-74-8	Carbazole	660	U
84-74-2	Di-n-butylphthalate	660	U
206-44-0	Fluoranthene	410	J
129-00-0	Pyrene	400	J
85-68-7	Butylbenzylphthalate	660	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	350	J
117-84-0	Di-n-octylphthalate	660	U
205-99-2	Benzo(b)fluoranthene	300	J
207-08-9	Benzo(k)fluoranthene	90	J
50-32-8	Benzo(a)pyrene	210	J
193-39-5	Indeno(1,2,3-cd)pyrene	160	J
53-70-3	Dibenzo(a,h)anthracene	660	U
191-24-2	Benzo(g,h,i)perylene	140	J

000000103

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2913

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 50 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

Number TICS found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	270	~~JB~~ R
2.	000112-84-5	13-Docosenamide, (Z)-	14.91	450	JN
3.	000638-66-4	Octadecanal	15.28	2800	JN
4.	077899-03-7	1-Heneicosyl formate	15.88	580	JN
5.		UNKNOWN	15.89	740	J
6.	074339-54-1	Trichloroacetic acid, hexade	15.90	690	JN
7.	074685-33-9	3-Eicosene, (E)-	15.91	410	JN
8.	000207-08-9	Benzo[k]fluoranthene	16.20	270	~~JN~~ R
9.		UNKNOWN	17.28	850	J
10.		UNKNOWN	23.15	210	J
11.		UNKNOWN	23.18	200	J
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FORM I SV-TIC

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.005

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2914

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

00000135

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.005

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2914

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U J
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	990	U J
85-01-8	Phenanthrene	39	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	64	J
218-01-9	Chrysene	78	J
117-81-7	bis(2-Ethylhexyl)phthalate	370	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	72	J
193-39-5	Indeno(1,2,3-cd)pyrene	56	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	53	J

(1) Cannot be separated from Diphenylamine

000000135

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.005

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2914

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICS found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	120	~~JB~~ JN
2. 000616-45-5	2-Pyrrolidinone	5.09	120	JN
3.	UNKNOWN	6.88	270	J
4.	UNKNOWN	9.17	260	J
5.	UNKNOWN	14.91	280	J
6.	UNKNOWN	15.10	140	J
7. 014811-95-1	1,19-Eicosadiene	15.28	1800	JN
8. 006971-40-0	17-Pentatriacontene	15.89	550	JN
9. 006765-39-5	1-Heptadecene	15.90	250	JN
10. 005454-48-8	Bromoacetic acid, hexadecyl	15.91	190	JN
11. 001599-67-3	1-Docosene	15.92	400	JN
12. 018992-03-5	Bromoacetic acid, octadecyl	15.93	130	JN
13. 067860-04-2	Oxirane, heptadecyl-	17.28	460	JN
14. 000638-66-4	Octadecanal	17.29	260	JN
15.	UNKNOWN	23.35	89	J
16.	UNKNOWN	23.38	91	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.006

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2915

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
92-52-4	1,1'-Biphenyl	850	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
131-11-3	Dimethylphthalate	850	U
606-20-2	2,6-Dinitrotoluene	340	U
208-96-8	Acenaphthylene	340	U
99-09-2	3-Nitroaniline	340	U
83-32-9	Acenaphthene	850	U
		39	J

00000169

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35S6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.006

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2915

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U J
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
86-73-7	Fluorene	37	J
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	850	U J
85-01-8	Phenanthrene	620	
120-12-7	Anthracene	150	J
86-74-8	Carbazole	76	J
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	950	
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	560	
218-01-9	Chrysene	490	
117-81-7	bis(2-Ethylhexyl)phthalate	270	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	710	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	530	
193-39-5	Indeno(1,2,3-cd)pyrene	370	
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	320	J

000000170

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.006

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2915

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	140	~~JB~~ R
2.		UNKNOWN	3.80	93	J
3.	002531-84-2	Phenanthrene, 2-methyl-	10.76	98	JN
4.	000613-12-7	Anthracene, 2-methyl-	10.79	89	JN
5.		UNKNOWN	10.90	95	J
6.	000832-69-9	Phenanthrene, 1-methyl-	10.92	69	JN
7.	000084-65-1	9,10-Anthracenedione	11.16	70	JN
8.	005737-13-3	Cyclopenta(def)phenanthrenon	11.55	75	JN
9.		UNKNOWN	14.91	140	J
10.	014811-95-1	1,19-Eicosadiene	15.28	770	JN
11.		UNKNOWN	15.74	70	J
12.	000192-97-2	Benzo[e]pyrene	15.76	140	JN
13.	000192-97-2	Benzo[e]pyrene	16.21	440	JN
14.	000192-97-2	Benzo[e]pyrene	16.57	120	JN
15.	067860-04-2	Oxirane, heptadecyl-	17.28	92	JN
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FORM I SV-TIC

OLM04.3

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.007

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2916

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	78	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	70	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	110	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	220	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.007

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2916

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	99	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	230	J
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	3200	
120-12-7	Anthracene	600	
86-74-8	Carbazole	250	J
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	+ 4100 ~~5200~~	~~B~~
129-00-0	Pyrene	+ 4200 ~~5000~~	~~B~~
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	2300	
218-01-9	Chrysene	2200	
117-81-7	bis(2-Ethylhexyl)phthalate	460	
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	840	
50-32-8	Benzo(a)pyrene	2000	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenzo(a,h)anthracene	330	J
191-24-2	Benzo(g,h,i)perylene	1000	

(1) Cannot be separated from Diphenylamine

+ transferred from dilution

FORM I SV-2

000000205

OLM04.3

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.007

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2916

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000486-25-9	9H-Fluoren-9-one	9.90	160	JN
2.	000132-65-0	Dibenzothiophene	10.01	160	JN
3.	002531-84-2	Phenanthrene, 2-methyl-	10.76	580	JN
4.	002531-84-2	Phenanthrene, 2-methyl-	10.79	710	JN
5.	002531-84-2	Phenanthrene, 2-methyl-	10.85	220	JN
6.		UNKNOWN	10.89	380	J
7.		UNKNOWN	10.90	580	J
8.	034373-96-1	9,10-Bis(bromomethyl)anthrac	11.12	310	JN
9.	000084-65-1	9,10-Anthracenedione	11.16	380	JN
10.	022360-63-0	3-Methyl-1-phenyl-1H-indene	11.30	210	JN
11.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.44	420	JN
12.		UNKNOWN	11.48	210	J
13.		UNKNOWN	11.49	150	J
14.	005737-13-3	Cyclopenta(def)phenanthrenon	11.55	250	JN
15.	002381-21-7	Pyrene, 1-methyl-	12.33	230	JN
16.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.26	130	JN
17.	014811-95-1	1,19-Eicosadiene	15.29	850	JN
18.	002765-11-9	Pentadecanal-	15.30	160	JN
19.		UNKNOWN	15.74	170	J
20.	000207-08-9	Benzo[k]fluoranthene	15.76	500	~~JN~~ R
21.	002917-26-2	1-Hexadecanethiol	15.89	250	JN
22.	006765-39-5	1-Heptadecene	15.90	200	JN
23.	000192-97-2	Benzo[e]pyrene	16.22	1600	JN
24.	000198-55-0	Perylene	16.58	410	JN
25.		UNKNOWN	21.21	220	J
26.		UNKNOWN	25.14	190	J
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.008

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2917

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	440	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	440	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	440	U
83-32-9	Acenaphthene	1100	U
		440	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35S8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.008

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2917

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U J
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	420	J
120-12-7	Anthracene	81	J
86-74-8	Carbazole	54	J
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	890	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	460	
218-01-9	Chrysene	460	
117-81-7	bis(2-Ethylhexyl)phthalate	310	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	650	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	470	
193-39-5	Indeno(1,2,3-cd)pyrene	370	J
53-70-3	Dibenzo(a,h)anthracene	96	J
191-24-2	Benzo(g,h,i)perylene	320	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.008

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2917

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICS found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	110	~~JN~~ R
2.	UNKNOWN	5.10	180	J
3.	UNKNOWN	6.88	170	J
4.	UNKNOWN	9.18	190	J
5.	UNKNOWN	10.90	120	J
6. 033543-31-6	Fluoranthene, 2-methyl-	12.33	160	JN
7. 000479-79-8	11H-Benzo[a]fluoren-11-one	13.26	110	JN
8.	UNKNOWN	13.28	90	J
9. 000301-02-0	9-Octadecenamide, (Z)-	14.91	220	JN
10.	UNKNOWN	15.10	130	J
11. 007390-81-0	Oxirane, hexadecyl-	15.29	1800	JN
12.	UNKNOWN	15.75	210	J
13.	UNKNOWN	15.76	170	J
14.	UNKNOWN	15.84	120	J
15. 001599-67-3	1-Docosene	15.88	93	JN
16. 001599-67-3	1-Docosene	15.89	530	JN
17.	UNKNOWN	15.92	570	J
18.	UNKNOWN	15.97	110	J
19. 000192-97-2	Benzo[e]pyrene	16.21	470	JN
20. 000124-25-4	Tetradecanal	17.28	260	JN
21. 067860-04-2	Oxirane, heptadecyl-	17.29	190	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.009

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2918

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.009

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2918

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U J
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	330	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	180	J
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	390	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	260	J
207-08-9	Benzo(k)fluoranthene	92	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	130	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.009

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2918

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	100	~~J~~ R
2.	UNKNOWN	13.06	120	J
3.	UNKNOWN	13.31	88	J
4. 007390-81-0	Oxirane, hexadecyl-	15.28	710	JN
5. 018992-03-5	Bromoacetic acid, octadecyl	15.89	160	JN
6. 056221-91-1	13-Tetradecen-1-ol acetate	15.91	120	JN
7. 056221-91-1	13-Tetradecen-1-ol acetate	15.91	170	JN
8. 074339-49-4	Trichloroacetic acid, undecy	15.92	150	JN
9. 000506-51-4	1-Tetracosanol	15.94	160	JN
10. 000192-97-2	Benzo[e]pyrene	16.21	160	JN
11.	UNKNOWN	17.28	130	J
12.	UNKNOWN	17.29	99	J
13.	UNKNOWN	25.08	150	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35TO

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2919

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
92-52-4	1,1'-Biphenyl	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	1000	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	1000	U
		400	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35TO

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2919

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U J
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	67	J
86-74-8	Carbazole	40	J
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	740	
129-00-0	Pyrene	830	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	440	
218-01-9	Chrysene	440	
117-81-7	bis(2-Ethylhexyl)phthalate	350	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	580	
207-08-9	Benzo(k)fluoranthene	210	J
50-32-8	Benzo(a)pyrene	440	
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenzo(a,h)anthracene	77	J
191-24-2	Benzo(g,h,i)perylene	290	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2919

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	100	~~JN~~ R
2.	000832-69-9	Phenanthrene, 1-methyl-	10.76	83	JN
3.	001961-97-3	1H-Indene, 3-phenyl-	10.79	81	JN
4.	000781-43-1	9,10-Dimethylanthracene	11.44	99	JN
5.	033543-31-6	Fluoranthene, 2-methyl-	12.33	140	JN
6.		UNKNOWN	14.91	240	J
7.	014811-95-1	1,19-Eicosadiene	15.29	860	JN
8.	000207-08-9	Benzo[k]fluoranthene	15.76	120	~~JN~~ R
9.	1000282-97-3	Heptafluorobutanoic acid, he	15.91	110	JN
10.	018992-03-5	Bromoacetic acid, octadecyl	15.92	100	JN
11.	000192-97-2	Benzo[e]pyrene	16.21	410	JN
12.		UNKNOWN	16.58	100	J
13.		UNKNOWN	17.28	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.011

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2920

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted:(Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

00000400

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35T1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1
Matrix: (soil/water) SOIL Lab Sample ID: 6501.011
Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2920
Level: (low/med) LOW Date Received: 07/27/05
% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/01/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U J
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	73	J
86-74-8	Carbazole	54	J
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	730	
129-00-0	Pyrene	660	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	370	J
218-01-9	Chrysene	370	J
117-81-7	bis(2-Ethylhexyl)phthalate	180	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	470	
207-08-9	Benzo(k)fluoranthene	180	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	79	J
191-24-2	Benzo(g,h,i)perylene	230	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.011

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2920

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	110	~~JB~~ R
2.		UNKNOWN	10.90	99	J
3.	000112-84-5	13-Docosenamide, (Z)-	14.91	130	JN
4.	014811-95-1	1,19-Eicosadiene	15.29	1200	JN
5.	000207-08-9	Benzo[k]fluoranthene	15.76	140	~~JB~~ R
6.	000506-51-4	1-Tetracosanol	15.88	89	JN
7.		UNKNOWN	15.90	320	J
8.	056221-91-1	13-Tetradecen-1-ol acetate	15.91	89	JN
9.	074685-29-3	9-Eicosene, (E)-	15.92	280	JN
10.		UNKNOWN	15.94	92	J
11.	000207-08-9	Benzo[k]fluoranthene	16.21	240	~~JB~~ R
12.		UNKNOWN	16.74	88	J
13.	067860-04-2	Oxirane, heptadecyl-	17.29	170	JN
14.		UNKNOWN	17.30	99	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2921

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	390	U
92-52-4	1,1'-Biphenyl	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	980	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	980	U
		390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2921

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U J
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U J
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	440	
129-00-0	Pyrene	430	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	350	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	350	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenzo(a,h)anthracene	51	J
191-24-2	Benzo(g,h,i)perylene	170	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2921

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICS found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	100	~~JB~~ R
2.	000301-02-0	9-Octadecenamide, (Z)-	14.91	210	JN
3.	067860-04-2	Oxirane, heptadecyl-	15.28	380	JN
4.		UNKNOWN	15.76	88	J
5.	000198-55-0	Perylene	16.21	240	JN
6.		UNKNOWN	20.46	220	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.013

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2922

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	63	J

00000453

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.013

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2922

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U J
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	62	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	940	U J
85-01-8	Phenanthrene	700	
120-12-7	Anthracene	150	J
86-74-8	Carbazole	67	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	590	
218-01-9	Chrysene	600	
117-81-7	bis(2-Ethylhexyl)phthalate	250	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	800	
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	550	
193-39-5	Indeno(1,2,3-cd)pyrene	360	J
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	330	J

(1) Cannot be separated from Diphenylamine

000000453

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.013

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2922

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	120	~~JN~~ R
2.	002531-84-2	Phenanthrene, 2-methyl-	10.76	160	JN
3.	000832-69-9	Phenanthrene, 1-methyl-	10.80	160	JN
4.		UNKNOWN	10.90	240	J
5.	035465-71-5	2-Phenylnaphthalene	11.12	82	JN
6.	000084-65-1	9,10-Anthracenedione	11.16	110	JN
7.	003674-65-5	Phenanthrene, 2,3-dimethyl-	11.44	140	JN
8.	002381-21-7	Pyrene, 1-methyl-	12.34	130	JN
9.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.98	77	JN
10.		UNKNOWN	13.13	100	J
11.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.27	110	JN
12.		UNKNOWN	14.92	180	J
13.	007390-81-0	Oxirane, hexadecyl-	15.29	1200	JN
14.		UNKNOWN	15.75	150	J
15.	000050-32-8	Benzo[a]pyrene	15.77	160	~~JN~~ R
16.	1000282-97-3	Heptafluorobutanoic acid, he	15.88	400	JN
17.	018992-03-5	Bromoacetic acid, octadecyl	15.89	450	JN
18.		UNKNOWN	15.90	160	J
19.	006222-02-2	Acetic acid, trifluoro-, tet	15.91	91	JN
20.		UNKNOWN	16.02	130	J
21.	000192-97-2	Benzo[e]pyrene	16.22	460	JN
22.	000198-55-0	Perylene	16.58	110	JN
23.		UNKNOWN	17.29	140	J
24.		UNKNOWN	17.30	110	J
25.		UNKNOWN	25.14	190	J
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27.					
28.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.014

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2923

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	350	U
92-52-4	1,1'-Biphenyl	880	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	880	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	880	U
		350	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35T4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.014

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2923

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U J
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	880	U J
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	460	
129-00-0	Pyrene	530	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	300	J
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)phthalate	220	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	420	
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	320	J
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenzo(a,h)anthracene	60	J
191-24-2	Benzo(g,h,i)perylene	190	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.014

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2923

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 6 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	100	~~JN~~ R
2.	054789-40-1	Heptanamide, 4-ethyl-5-methy	14.91	120	JN
3.	000638-66-4	Octadecanal	15.29	890	JN
4.	000207-08-9	Benzo[k]fluoranthene	15.76	140	~~JN~~ R
5.	074339-54-1	Trichloroacetic acid, hexade	15.89	350	JN
6.	000207-08-9	Benzo[k]fluoranthene	16.21	330	~~JN~~ R
7.	067860-04-2	Oxirane, heptadecyl-	17.28	110	JN
8.		UNKNOWN	17.30	81	J
9.	000629-94-7	Heneicosane	17.95	98	JN
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FORM I SV-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.015

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2924

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35T5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1
Matrix: (soil/water) SOIL Lab Sample ID: 6501.015
Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2924
Level: (low/med) LOW Date Received: 07/27/05
% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/01/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	U J
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	370	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)phthalate	470	
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	310	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	220	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenzo(a,h)anthracene	53	J
191-24-2	Benzo(g,h,i)perylene	150	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.015

Sample wt/vol: 30.3 (g/mL) G Lab File ID: D2924

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	110	~~J~~ R
2. 004237-44-9	Phenol, 2-(1-phenylethyl)-	9.65	140	JN
3.	UNKNOWN	12.98	110	J
4.	UNKNOWN	12.99	200	J
5.	UNKNOWN	13.06	300	J
6. 002769-94-0	Phenol, 2,4-bis(1-phenylethy	13.31	310	JN
7.	UNKNOWN	14.91	380	J
8.	UNKNOWN	14.92	91	J
9. 000638-66-4	Octadecanal	15.29	2800	JN
10.	UNKNOWN	15.78	100	J
11. 001599-67-3	1-Docosene	15.88	2000	JN
12. 000629-96-9	1-Eicosanol	15.89	490	JN
13. 000207-08-9	Benzo[k]fluoranthene	16.21	240	~~J~~ R
14. 007390-81-0	Oxirane, hexadecyl-	17.28	1200	JN
15.	UNKNOWN	17.29	470	J
16.	UNKNOWN	17.47	330	J
17.	UNKNOWN	17.48	160	J
18.	UNKNOWN	22.96	180	J
19.	UNKNOWN	22.97	150	J
20.	UNKNOWN	22.98	120	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2925

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	430	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	430	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	430	U
83-32-9	Acenaphthene	1100	U
		430	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2925

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U J
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	65	J
86-74-8	Carbazole	49	J
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	990	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	53	J
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	520	
218-01-9	Chrysene	560	
117-81-7	bis(2-Ethylhexyl)phthalate	1400	
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	780	
207-08-9	Benzo(k)fluoranthene	220	J
50-32-8	Benzo(a)pyrene	540	
193-39-5	Indeno(1,2,3-cd)pyrene	420	J
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	350	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D2925

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICS found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	110	~~J~~ R
2.		UNKNOWN	8.53	88	J
3.	002531-84-2	Phenanthrene, 2-methyl-	10.76	91	JN
4.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.44	120	JN
5.	002381-21-7	Pyrene, 1-methyl-	12.33	120	JN
6.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.26	120	JN
7.		UNKNOWN	14.92	470	J
8.	062951-96-6	1,5,9-Undecatriene, 2,6,10-t	15.10	100	JN
9.		UNKNOWN	15.75	280	J
10.	000192-97-2	Benzo[e]pyrene	15.78	200	JN
11.	077899-03-7	1-Heneicosyl formate	15.87	180	JN
12.	018992-03-5	Bromoacetic acid, octadecyl	15.89	840	JN
13.	018992-03-5	Bromoacetic acid, octadecyl	15.90	520	JN
14.	00676539-5	1-Heptadecene	15.91	180	JN
15.	018992-03-5	Bromoacetic acid, octadecyl	15.98	170	JN
16.	000192-97-2	Benzo[e]pyrene	16.21	550	JN
17.	000207-08-9	Benzo[k]fluoranthene	16.58	99	~~J~~ R
18.	007390-81-0	Oxirane, hexadecyl-	17.29	380	JN
19.	000638-66-4	Octadecanal	17.30	160	JN
20.		UNKNOWN	17.95	1000	J
21.		UNKNOWN	21.21	100	J
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FORM I SV-TIC

OLM04.2

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.017

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2926

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35T7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1
Matrix: (soil/water) SOIL Lab Sample ID: 6501.017
Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2926
Level: (low/med) LOW Date Received: 07/27/05
% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/01/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	U J
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	410	J
129-00-0	Pyrene	420	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	520	
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	350	J
207-08-9	Benzo(k)fluoranthene	98	J
50-32-8	Benzo(a)pyrene	240	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenzo(a,h)anthracene	47	J
191-24-2	Benzo(g,h,i)perylene	180	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.017

Sample wt/vol: 29.9 (g/mL) G Lab File ID: D2926

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	96	~~JB~~ R
2.	UNKNOWN	6.88	130	J
3.	UNKNOWN	9.18	180	J
4.	UNKNOWN	9.65	89	J
5. 000479-79-8	11H-Benzo[a]fluoren-11-one	12.98	98	JN
6.	UNKNOWN	12.99	100	J
7.	UNKNOWN	13.06	180	J
8.	UNKNOWN	13.31	130	J
9.	UNKNOWN	14.91	290	J
10.	UNKNOWN	15.10	140	J
11. 000638-66-4	Octadecanal	15.29	2100	JN
12. 001599-67-3	1-Docosene	15.88	330	JN
13. 001599-67-3	1-Docosene	15.89	220	JN
14. 036653-82-4	1-Hexadecanol	15.90	430	JN
15. 1000216-79-3	Heptafluorobutyric acid, n-p	15.91	150	JN
16. 074339-53-0	Trichloroacetic acid, pentad	15.92	110	JN
17. 000207-08-9	Benzo[k]fluoranthene	16.21	210	~~JN~~ R
18. 1000144-57-9	16-Heptadecenal	17.29	1000	JN
19. 014811-95-1	1,19-Eicosadiene	17.30	180	JN
20.	UNKNOWN	17.46	230	J
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.018

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2930

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	420	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	420	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	420	U
83-32-9	Acenaphthene	1100	U
		420	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35T8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.018

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2930

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	470	
120-12-7	Anthracene	85	J
86-74-8	Carbazole	61	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	960	
129-00-0	Pyrene	900	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	490	
218-01-9	Chrysene	490	
117-81-7	bis(2-Ethylhexyl)phthalate	470	
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	600	
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	450	
193-39-5	Indeno(1,2,3-cd)pyrene	360	J
53-70-3	Dibenzo(a,h)anthracene	86	J
191-24-2	Benzo(g,h,i)perylene	320	J

(1) Cannot be separated from Diphenylamine

000000581

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.018

Sample wt/vol: 30.0 (g/mL) G Lab File ID: D2930

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 15

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.22	150	J
2.	002531-84-2	Phenanthrene, 2-methyl-	10.74	87	JN
3.	000949-41-7	1H-Cyclopropa[l]phenanthrene	10.79	94	JN
4.		UNKNOWN	10.89	86	J
5.	002381-21-7	Pyrene, 1-methyl-	12.33	140	JN
6.		UNKNOWN	15.08	89	J
7.	007390-81-0	Oxirane, hexadecyl-	15.27	1000	JN
8.		UNKNOWN	15.74	160	J
9.	000192-97-2	Benzo[e]pyrene	15.74	370	JN
10.	000192-97-2	Benzo[e]pyrene	16.19	510	JN
11.		UNKNOWN	16.56	110	J
12.	007390-81-0	Oxirane, hexadecyl-	17.26	130	JN
13.	000638-66-4	Octadecanal	17.27	120	JN
14.		UNKNOWN	21.18	130	J
15.		UNKNOWN	21.21	120	J
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FORM I SV-TIC

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.019

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2931

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted:(Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35T9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.019

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2931

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	74	J
218-01-9	Chrysene	93	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	83	J
193-39-5	Indeno(1,2,3-cd)pyrene	72	J
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	58	J

(1) Cannot be separated from Diphenylamine

000000720

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35T9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.019

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2931

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.22	160	J
2. 007390-81-0	Oxirane, hexadecyl-	15.27	410	JN
3.				
4.				
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FORM I SV-TIC

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2932

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	430	U
92-52-4	1,1'-Biphenyl	1100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	430	U
131-11-3	Dimethylphthalate	1100	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	430	U
83-32-9	Acenaphthene	1100	U
		430	U

000000737

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35W0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1
Matrix: (soil/water) SOIL Lab Sample ID: 6501.020
Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2932
Level: (low/med) LOW Date Received: 07/27/05
% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/01/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~J~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	380	J
129-00-0	Pyrene	420	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	230	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	300	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
53-70-3	Dibenzo(a,h)anthracene	52	J
191-24-2	Benzo(g,h,i)perylene	170	J

(1) Cannot be separated from Diphenylamine

00000738

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S1

Matrix: (soil/water) SOIL Lab Sample ID: 6501.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D2932

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/01/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.22	180	J
2.	1000144-57-9	16-Heptadecenal	15.27	1200	JN
3.		UNKNOWN	15.90	150	J
4.	074339-54-1	Trichloroacetic acid, hexade	15.92	190	JN
5.	000205-99-2	Benz[e]acephenanthrylene	16.19	240	JN
6.		UNKNOWN	17.24	94	J
7.		UNKNOWN	17.26	130	J
8.		UNKNOWN	21.16	92	J
9.		UNKNOWN	21.17	87	J
10.		UNKNOWN	21.18	170	J
11.		UNKNOWN	21.19	96	J
12.		UNKNOWN	23.15	98	J
13.		UNKNOWN	23.37	93	J
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FORM I SV-TIC

CLP DATA ASSESSMENT

Functional Guidelines for Evaluating Organic Analysis

CASE No.: 34462
LABORATORY: A4
SAMPLER: REAC/ERT

SDG No.: B35Y5/ B35S0
SITE: Roselle Park Baseball Fields
ANALYSIS: TCL-BNA

DATA ASSESSMENT

The current SOP HW-6 (Revision 11) June 1996, USEPA Region II Data Validation SOP for Statement of Work OLMO 4.2. for evaluating organic data have been applied.

All data are valid and acceptable except those analytes rejected "R"(unusable). Due to the detection of QC problems, some analytes may have the "J" (estimated), "N"(presumptive evidence for the presence of the material, "U" (non-detect) or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer's Signature: Shobitha Amin Date: September 13, 2005

Verified By: [signature] Date: 9/19/2005

CLP DATA ASSESSMENT

SDG # B35Y5

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

DC-6 The following semivolatile soil samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

B35Y5, B35Y6, B35Y7, B35Y8, B35Y8MS, B35Y8MSD, B35Y9, B35Z0, B35Z1, B35Z2, B35Z3, B35Z4, B35Z5, B35Z6, B35Z7, B35Z8, B35Z9, B3600, B3601, B3602, B3603, B3604

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No problems.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No qualification based on MS/MSD data.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:
Method blank is not contaminated.

CLP DATA ASSESSMENT

B) Field or rinse blank contamination:
Not applicable.

C) Trip blank contamination for VOA aqueous samples:
Not applicable.

D) Storage Blank associated with VOA samples only:
Not applicable.

E) Tics "R" rejected:
BNA:
Benzo (k) fluoranthene in the following samples: B35Y5, B35Y7, B35Z0,
Benzo (a) pyrene in the following samples:B35Z2,

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".
No problems.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-

detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the sample shown were qualified for %RSD and %D:

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,4-Dinitrophenol
B35Y5, B35Y6, B35Y7, B35Y8, B35Y8MS, B35Y8MSD, B35Y9, B35Z0, B35Z1, B35Z2, B35Z3, B35Z4, B35Z5, B35Z6, B35Z7, B35Z8, B35Z9, B3600, B3601, B3602, B3603, B3604, SBLK5X

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction.

No problems.

9. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration

CLP DATA ASSESSMENT

exceeds 10ng/ml in the final sample extract.
Not applicable.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

11. FIELD DOCUMENTATION:

12. OTHER PROBLEMS:
Percent Moisture: No problems.

13. This package contains reextractions, reanalyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified not to be used.

CLP DATA ASSESSMENT

SDG # B35S0

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

DC-6 The following semivolatile soil samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

B35S0, B35S0MS, B35S0MSD, B35W2, B35W3, B35W4

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory perfomance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No problems.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No qualification based on MS/MSD data.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:
Method blank is not contaminated.

B) Field or rinse blank contamination:
Not applicable.

CLP DATA ASSESSMENT

C) **Trip blank contamination for VOA aqueous samples:**
Not applicable.

D) **Storage Blank associated with VOA samples only:**
Not applicable.

E) **Tics "R" rejected:**
BNA:
Benzo (k) fluoranthene in the following samples: B35W3

5. **MASS SPECTROMETER TUNING:**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".
No problems.

6. **CALIBRATION:**

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) **Response Factor GC/MS:**

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

DC-15 The following semivolatile samples are associated with a continuing calibration relative response factor (RRF50) outside expanded criteria. Hits are qualified "J" and non-detects are flagged "R".

2,4-Dinitrophenol
B35S0, B35S0MS, B35S0MSD, B35W2, B35W3, B35W4, B3605, B3606, B3607, B3608, B3609, B3610, SBLK5W

B) **Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):**

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the

CLP DATA ASSESSMENT

specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the sample shown were qualified for %RSD and %D:

DC-11 The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,4-Dinitrophenol
B35S0, B35S0MS, B35S0MSD, B35W2, B35W3, B35W4, B3605, B3606, B3607, B3608, B3609, B3610, SBLK5W

Pentachlorophenol
B35S0, B35S0MS, B35S0MSD, B35W2, B35W3, B35W4, B3605, B3606, B3607, B3608, B3609, B3610, SBLK5W

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction.
No problems.

9. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the

CLP DATA ASSESSMENT

standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

Not applicable.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

11. FIELD DOCUMENTATION:

12. OTHER PROBLEMS:
Percent Moisture: No problems.

13. This package contains reextractions, reanalyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified not to be used.

RECEIVED
AUG 1 1 2005
HAZ. WASTE SUPPORT SEC.

Sample Delivery Group(SDG) Cover Sheet

SDG Number: B35Y5

Laboratory Name.: A4 SCIENTIFIC, INC.

Laboratory Code.: A4

Contract No.: 68W03027

Case No.: 34462

Analysis Price:

SDG Turnaround: 14 days

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)B35Y5	7)B35Z1	13)B35Z7	19)B3603
2)B35Y6	8)B35Z2	14)B35Z8	20)B3604
3)B35Y7	9)B35Z3	15)B35Z9	21)
4)B35Y8	10)B35Z4	16)B3600	22)
5)B35Y9	11)B35Z5	17)B3601	23)
6)B35Z0	12)B35Z6	18)B3602	24)

B35Y5
First Sample in SDG

B3604
Last Sample in SDG

07/28/2005
First Sample Receipt Date

07/28/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature [illegible] / [illegible]

Date 8/2/05

00000005

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6255

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U J
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	49	J J
99-09-2	3-Nitroaniline	1000	U J
83-32-9	Acenaphthene	48	J J

000000020

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6255

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	74	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	930	J
120-12-7	Anthracene	210	J
86-74-8	Carbazole	130	J
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	1900	J
129-00-0	Pyrene	1400	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	880	J
218-01-9	Chrysene	920	J
117-81-7	bis(2-Ethylhexyl)phthalate	190	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	770	J
207-08-9	Benzo(k)fluoranthene	650	J
50-32-8	Benzo(a)pyrene	820	J
193-39-5	Indeno(1,2,3-cd)pyrene	590	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	480	J

(1) Cannot be separated from Diphenylamine

000000021

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6255

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000203-64-5	4H-Cyclopenta[def]phenanthre	10.60	280	JN
2.	002381-21-7	Pyrene, 1-methyl-	11.89	95	JN
3.	003442-78-2	Pyrene, 2-methyl-	12.01	370	JN
4.	000243-17-4	11H-Benzo[b]fluorene	12.09	180	JN
5.	002381-21-7	Pyrene, 1-methyl-	12.14	140	JN
6.	003351-28-8	Chrysene, 1-methyl-	13.56	190	JN
7.	007390-81-0	Oxirane, hexadecyl-	14.37	1400	JN
8.	000207-08-9	Benzo[k]fluoranthene	14.62	170	~~JN~~ R
9.	056221-91-1	13-Tetradecen-1-ol acetate	14.76	200	JN
10.		UNKNOWN	14.77	210	J
11.		UNKNOWN	14.77	270	J
12.	000198-55-0	Perylene	14.88	690	JN
13.	000638-66-4	Octadecanal	15.51	180	JN
14.		UNKNOWN	15.55	91	J
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6249

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 2 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U J
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	840	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	840	U
83-32-9	Acenaphthene	330	U J

00000053

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6249

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 2 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	840	U
100-02-7	4-Nitrophenol	840	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-methylphenol	840	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	88	J
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	260	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	120	J
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	1300	
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	91	J
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	71	J

(1) Cannot be separated from Diphenylamine

000000054

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6249

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 2 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	100	J
2.	UNKNOWN	3.24	140	J
3. 004237-44-9	Phenol, 2-(1-phenylethyl)-	9.43	120	JN
4. 002769-94-0	Phenol, 2,4-bis(1-phenylethy	12.75	130	JN
5.	UNKNOWN	12.82	130	J
6.	UNKNOWN	14.36	190	J
7. 000192-97-2	Benzo[e]pyrene	14.87	94	JN
8.	UNKNOWN	15.71	220	J
9.	UNKNOWN	15.82	240	J
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FORM I SV-TIC

OLM04.3

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.003

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6250

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 28 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

000000080

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B35Y7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.003

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6250

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 28 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U J
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	390	J J
120-12-7	Anthracene	100	J J
86-74-8	Carbazole	450	U J
84-74-2	Di-n-butylphthalate	450	U J
206-44-0	Fluoranthene	950	J
129-00-0	Pyrene	790	J
85-68-7	Butylbenzylphthalate	450	U J
91-94-1	3,3'-Dichlorobenzidine	450	U J
56-55-3	Benzo(a)anthracene	480	J
218-01-9	Chrysene	500	J
117-81-7	bis(2-Ethylhexyl)phthalate	82	J J
117-84-0	Di-n-octylphthalate	450	U J
205-99-2	Benzo(b)fluoranthene	370	J J
207-08-9	Benzo(k)fluoranthene	420	J J
50-32-8	Benzo(a)pyrene	450	J
193-39-5	Indeno(1,2,3-cd)pyrene	320	J J
53-70-3	Dibenzo(a,h)anthracene	450	U J
191-24-2	Benzo(g,h,i)perylene	280	J J

(1) Cannot be separated from Diphenylamine

000000081

1G

EPA SAMPLE NO.

B35Y7

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.003

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6250

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 28 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	160	J
2.	000243-17-4	11H-Benzo[b]fluorene	12.01	220	JN
3.	003351-32-4	Chrysene, 2-methyl-	13.56	140	JN
4.	007390-81-0	Oxirane, hexadecyl-	14.36	710	JN
5.	000207-08-9	Benzo[k]fluoranthene	14.61	100	~~JN~~ R
6.	000205-82-3	Benzo[j]fluoranthene	14.87	360	JN
7.		UNKNOWN	17.87	95	J
8.		UNKNOWN	17.88	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.004

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6251

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.004

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6251

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	430	
129-00-0	Pyrene	360	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	260	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	250	J
193-39-5	Indeno(1,2,3-cd)pyrene	210	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	170	J

000000107

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.004

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6251

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 22 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.24	120	J
2.	UNKNOWN	3.74	310	J
3. 007390-81-0	Oxirane, hexadecyl-	14.36	390	JN
4. 000198-55-0	Perylene	14.87	220	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6254

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

000000124

ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6254

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	180	J
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	180	J
207-08-9	Benzo(k)fluoranthene	160	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	160	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	130	J

(1) Cannot be separated from Diphenylamine

000000125

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6254

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.74	150	J
2. 067860-04-2	Oxirane, heptadecyl-	14.36	420	JN
3. 000192-97-2	Benzo[e]pyrene	14.87	190	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6247

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6247

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	420	
129-00-0	Pyrene	350	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	180	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6247

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	130	J
2.	UNKNOWN	3.24	200	J
3.	UNKNOWN	14.36	340	J
4. 000207-08-9	Benzo[k]fluoranthene	14.87	160	~~JN~~ R
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.007

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6246

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

000000163

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.007

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6246

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.007

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6246

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICS found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	92	J
2.	UNKNOWN	3.24	91	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.008

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6256

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U J
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U J
208-96-8	Acenaphthylene	70	~~J~~ J
99-09-2	3-Nitroaniline	1100	U J
83-32-9	Acenaphthene	430	U J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.008

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6256

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	46	J
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	810	
218-01-9	Chrysene	880	
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	760	
207-08-9	Benzo(k)fluoranthene	670	
50-32-8	Benzo(a)pyrene	820	
193-39-5	Indeno(1,2,3-cd)pyrene	640	
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	520	

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.008

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6256

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICS found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	033543-31-6	Fluoranthene, 2-methyl-	11.89	87	JN
2.	003442-78-2	Pyrene, 2-methyl-	12.01	340	JN
3.	002381-21-7	Pyrene, 1-methyl-	12.14	130	JN
4.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	190	JN
5.	000243-46-9	Benzo[b]naphtho[2,3-d]thioph	12.76	150	JN
6.	001705-84-6	Triphenylene, 2-methyl-	13.56	190	JN
7.		UNKNOWN	13.62	130	J
8.	000112-84-5	13-Docosenamide, (Z)-	14.15	310	JN
9.		UNKNOWN	14.15	150	J
10.		UNKNOWN	14.16	150	J
11.	000638-66-4	Octadecanal	14.37	1000	JN
12.		UNKNOWN	14.39	180	J
13.	000050-32-8	Benzo[a]pyrene	14.62	140	~~JN~~ R
14.	000198-55-0	Perylene	14.88	710	JN
15.	067860-04-2	Oxirane, heptadecyl-	15.51	210	JN
16.	007390-81-0	Oxirane, hexadecyl-	15.52	120	JN
17.		UNKNOWN	15.55	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.009

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6257

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 27 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	65	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

000000212

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35Z3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.009

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6257

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	570	J
120-12-7	Anthracene	120	J
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	1600	J
129-00-0	Pyrene	1300	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	810	J
218-01-9	Chrysene	850	J
117-81-7	bis(2-Ethylhexyl)phthalate	250	J
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	730	J
207-08-9	Benzo(k)fluoranthene	680	J
50-32-8	Benzo(a)pyrene	800	J
193-39-5	Indeno(1,2,3-cd)pyrene	620	J
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	510	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3523

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.009

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6257

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000203-64-5	4H-Cyclopenta[def]phenanthre	10.60	250	JN
2.	003442-78-2	Pyrene, 2-methyl-	11.89	91	JN
3.	003442-78-2	Pyrene, 2-methyl-	12.01	290	JN
4.	000243-17-4	11H-Benzo[b]fluorene	12.09	140	JN
5.	002381-21-7	Pyrene, 1-methyl-	12.14	120	JN
6.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	170	JN
7.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.77	140	JN
8.	002541-69-7	Benz[a]anthracene, 7-methyl-	13.56	200	JN
9.	002381-16-0	Benz[a]anthracene, 9-methyl-	13.62	110	JN
10.	000112-84-5	13-Docosenamide, (Z)-	14.15	100	JN
11.	067860-04-2	Oxirane, heptadecyl-	14.37	830	JN
12.		UNKNOWN	14.39	150	J
13.	000205-99-2	Benz[e]acephenanthrylene	14.62	150	JN
14.	000198-55-0	Perylene	14.88	660	JN
15.	067860-04-2	Oxirane, heptadecyl-	15.51	130	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.010

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6258

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 11 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.010

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6258

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	160	J
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	92	J
86-74-8	Carbazole	100	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	770	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	350	J
218-01-9	Chrysene	700	
117-81-7	bis(2-Ethylhexyl)phthalate	96	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	650	
207-08-9	Benzo(k)fluoranthene	460	
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno(1,2,3-cd)pyrene	290	J
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	220	J

(1) Cannot be separated from Diphenylamine

000000247

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.010

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6258

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000084-65-1	9,10-Anthracenedione	10.86	170	JN
2.	000781-43-1	9,10-Dimethylanthracene	11.16	110	JN
3.	040487-42-1	Penoxaline	11.18	110	JN
4.	033543-31-6	Fluoranthene, 2-methyl-	12.01	110	JN
5.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	100	JN
6.		UNKNOWN	13.27	200	J
7.	000112-84-5	13-Docosenamide, (Z)-	14.15	210	JN
8.	000112-84-5	13-Docosenamide, (Z)-	14.15	110	JN
9.	000112-84-5	13-Docosenamide, (Z)-	14.16	120	JN
10.	000638-66-4	Octadecanal	14.36	190	JN
11.	000638-66-4	Octadecanal	14.37	1000	JN
12.		UNKNOWN	14.72	280	J
13.	074685-33-9	3-Eicosene, (E)-	14.72	260	JN
14.	002885-00-9	1-Octadecanethiol	14.73	230	JN
15.	074685-33-9	3-Eicosene, (E)-	14.74	88	JN
16.		UNKNOWN	14.77	91	J
17.	000205-82-3	Benzo[j]fluoranthene	14.88	520	JN
18.	001058-61-3	Stigmast-4-en-3-one	20.02	200	JN
19.		UNKNOWN	20.02	94	J
20.	001058-61-3	Stigmast-4-en-3-one	20.03	130	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.011

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6259

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	48	J
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	360	U

000000289

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.011

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6259

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	200	J
85-01-8	Phenanthrene	360	
120-12-7	Anthracene	84	J
86-74-8	Carbazole	110	J
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	750	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	280	J
218-01-9	Chrysene	630	
117-81-7	bis(2-Ethylhexyl)phthalate	91	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	560	
207-08-9	Benzo(k)fluoranthene	400	
50-32-8	Benzo(a)pyrene	260	J
193-39-5	Indeno(1,2,3-cd)pyrene	270	J
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	220	J

(1) Cannot be separated from Diphenylamine

000000290

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.011

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6259

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000084-65-1	9,10-Anthracenedione	10.86	210	JN
2.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.16	98	JN
3.	040487-42-1	Penoxaline	11.18	200	JN
4.	002381-21-7	Pyrene, 1-methyl-	12.02	97	JN
5.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	130	JN
6.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.89	92	JN
7.		UNKNOWN	13.27	240	J
8.	000112-84-5	13-Docosenamide, (Z)-	14.15	370	JN
9.	000112-84-5	13-Docosenamide, (Z)-	14.16	200	JN
10.	077899-10-6	(Z)-14-Tricosenyl formate	14.36	210	JN
11.	000638-66-4	Octadecanal	14.37	1300	JN
12.		UNKNOWN	14.74	300	J
13.	000506-51-4	1-Tetracosanol	14.74	330	JN
14.	006971-40-0	17-Pentatriacontene	14.78	120	JN
15.	056221-91-1	13-Tetradecen-1-ol acetate	14.80	110	JN
16.	000205-99-2	Benz[e]acephenanthrylene	14.89	510	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6260

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	45	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

00000328

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6260

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	51	J
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	560	
129-00-0	Pyrene	500	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	310	J
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	84	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	310	J
207-08-9	Benzo(k)fluoranthene	300	J
50-32-8	Benzo(a)pyrene	310	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	210	J

(1) Cannot be separated from Diphenylamine

000000329

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.012

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6260

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	210	J
2.	UNKNOWN	3.24	190	J
3.	UNKNOWN	10.61	92	J
4. 000243-17-4	11H-Benzo[b]fluorene	12.02	86	JN
5.	UNKNOWN	14.15	120	J
6. 067860-04-2	Oxirane, heptadecyl-	14.37	1000	JN
7. 000205-99-2	Benz[e]acephenanthrylene	14.88	310	JN
8. 000638-66-4	Octadecanal	15.51	170	JN
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FORM I SV-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.013

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6261

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.013

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6261

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	380	J
129-00-0	Pyrene	350	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	210	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	68	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	180	J
50-32-8	Benzo(a)pyrene	220	J
193-39-5	Indeno(1,2,3-cd)pyrene	160	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	140	J

(1) Cannot be separated from Diphenylamine

000000357

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.013

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6261

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	040487-42-1	Penoxaline	11.18	110	JN
2.	000112-84-5	13-Docosenamide, (Z)-	14.15	160	JN
3.	000638-66-4	Octadecanal	14.37	680	JN
4.	000205-99-2	Benz[e]acephenanthrylene	14.88	190	JN
5.	000638-66-4	Octadecanal	15.52	88	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.014

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6262

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	51	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	50	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	88	J
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	46	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.014

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6262

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	76	J
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	880	
120-12-7	Anthracene	200	J
86-74-8	Carbazole	76	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	93	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	750	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	820	
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	700	

(1) Cannot be separated from Diphenylamine

000000381

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.014

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6262

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	001582-09-8	Trifluralin	9.12	360	JN
2.		UNKNOWN	9.14	490	J
3.	002531-84-2	Phenanthrene, 2-methyl-	10.47	240	JN
4.	000610-48-0	Anthracene, 1-methyl-	10.50	290	JN
5.		UNKNOWN	10.61	420	J
6.	000243-17-4	11H-Benzo[b]fluorene	11.89	90	JN
7.	000243-17-4	11H-Benzo[b]fluorene	12.02	250	JN
8.	003442-78-2	Pyrene, 2-methyl-	12.14	110	JN
9.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.65	120	JN
10.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.77	110	JN
11.	002541-69-7	Benz[a]anthracene, 7-methyl-	13.57	160	JN
12.		UNKNOWN	14.15	150	J
13.		UNKNOWN	14.16	100	J
14.	014811-95-1	1,19-Eicosadiene	14.38	2400	JN
15.		UNKNOWN	14.72	600	J
16.	015594-90-8	1-Heneicosanol	14.73	110	JN
17.		UNKNOWN	14.83	160	J
18.	000192-97-2	Benzo[e]pyrene	14.89	1100	JN
19.	000638-66-4	Octadecanal	15.52	510	JN
20.		UNKNOWN	15.57	260	J
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FORM I SV-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Z9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.015

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6263

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35Z9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.015

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6263

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	600	
129-00-0	Pyrene	450	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	270	J
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)phthalate	270	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	280	J
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	190	J

(1) Cannot be separated from Diphenylamine

000000426

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Z9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.015

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6263

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

Number TICS found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	180	J
2.	UNKNOWN	3.24	170	J
3.	UNKNOWN	3.74	220	J
4. 000638-66-4	Octadecanal	14.38	770	JN
5. 000205-99-2	Benz[e]acephenanthrylene	14.89	240	JN
6. 000638-66-4	Octadecanal	15.52	110	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3600

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6264

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U J
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

000000448

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3600

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6264

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	590	
129-00-0	Pyrene	490	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	47	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	350	J
207-08-9	Benzo(k)fluoranthene	270	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	250	J

00000449

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3600

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.016

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6264

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICS found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.24	170	J
2.	UNKNOWN	3.74	190	J
3. 014811-95-1	1,19-Eicosadiene	14.37	1300	JN
4. 000629-96-9	1-Eicosanol	14.73	310	JN
5. 001599-67-3	1-Docosene	14.74	260	JN
6.	UNKNOWN	14.74	95	J
7.	UNKNOWN	14.78	140	J
8. 000205-99-2	Benz[e]acephenanthrylene	14.89	350	JN
9. 067860-04-2	Oxirane, heptadecyl-	15.52	280	JN
10. 000629-59-4	Tetradecane	15.88	91	JN
11.	UNKNOWN	17.90	120	J
12.	UNKNOWN	17.90	93	J
13.	UNKNOWN	20.02	99	J
14.	UNKNOWN	20.03	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3601

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.017

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6248

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 17 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3601

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.017

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6248

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	44	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	440	
129-00-0	Pyrene	370	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	210	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	190	J
50-32-8	Benzo(a)pyrene	200	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	120	J

(1) Cannot be separated from Diphenylamine

000000483

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3601

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.017

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6248

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	130	J
2.	UNKNOWN	3.24	150	J
3. 000638-66-4	Octadecanal	14.36	80	JN
4. 000198-55-0	Perylene	14.87	120	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3602

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6265

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U J
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U J
208-96-8	Acenaphthylene	160	J J
99-09-2	3-Nitroaniline	1100	U J
83-32-9	Acenaphthene	440	U J

000000583

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3602

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6265

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	120	J
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	120	J
86-74-8	Carbazole	110	J
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	2000	J
129-00-0	Pyrene	1500	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	810	J
281-01-9	Chrysene	930	J
117-81-7	bis(2-Ethylhexyl)phthalate	89	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	740	J
207-08-9	Benzo(k)fluoranthene	690	J
50-32-8	Benzo(a)pyrene	770	J
193-39-5	Indeno(1,2,3-cd)pyrene	620	J
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	490	J

000000504

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3602

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6265

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

Number TICS found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.	002531-84-2	Phenanthrene, 2-methyl-	10.50	230	JN
2.		UNKNOWN	10.61	370	J
3.	000084-65-1	9,10-Anthracenedione	10.87	280	JN
4.	033543-31-6	Fluoranthene, 2-methyl-	11.89	130	JN
5.	000243-17-4	11H-Benzo[b]fluorene	12.02	400	JN
6.	000243-17-4	11H-Benzo[b]fluorene	12.10	130	JN
7.	002381-21-7	Pyrene, 1-methyl-	12.14	180	JN
8.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.65	240	JN
9.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.77	170	JN
10.	000479-79-8	11H-Benzo[a]fluoren-11-one	13.26	190	JN
11.	001705-84-6	Triphenylene, 2-methyl-	13.57	240	JN
12.	000112-84-5	13-Docosenamide, (Z)-	14.15	110	JN
13.	067860-04-2	Oxirane, heptadecyl-	14.38	1100	JN
14.		UNKNOWN	14.40	160	J
15.	074685-30-6	5-Eicosene, (E)-	14.73	190	JN
16.	002885-00-9	1-Octadecanethiol	14.74	170	JN
17.	000593-50-0	1-Triacontanol	14.74	200	JN
18.	000198-55-0	Perylene	14.89	620	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3603

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.019

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6266

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 14 Decanted:(Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B3603

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5
Matrix: (soil/water) SOIL Lab Sample ID: 6508.019
Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6266
Level: (low/med) LOW Date Received: 07/28/05
% Moisture: 14 Decanted: (Y/N) N Date Extracted: 08/03/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	330	J
120-12-7	Anthracene	77	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	850	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	440	
281-01-9	Chrysene	480	
117-81-7	bis(2-Ethylhexyl)phthalate	60	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	440	
207-08-9	Benzo(k)fluoranthene	340	J
50-32-8	Benzo(a)pyrene	430	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	280	J

(1) Cannot be separated from Diphenylamine

00000541

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3603

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.019

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6266

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICS found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.61	140	J
2.	000243-17-4	11H-Benzo[b]fluorene	12.02	200	JN
3.	003351-28-8	Chrysene, 1-methyl-	13.57	120	JN
4.	014811-95-1	1,19-Eicosadiene	14.37	2300	JN
5.	014167-59-0	Tetratriacontane	14.65	320	JN
6.	070301-47-2	Chloroacetic acid, pentadecy	14.71	370	JN
7.	018435-45-5	1-Nonadecene	14.72	430	JN
8.	018435-45-5	1-Nonadecene	14.73	93	JN
9.	000192-97-2	Benzo[e]pyrene	14.89	420	JN
10.	067860-04-2	Oxirane, heptadecyl-	15.52	460	JN
11.		UNKNOWN	15.57	86	J
12.		UNKNOWN	20.03	100	J
13.		UNKNOWN	20.04	91	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3604

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6267

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	44	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3604

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6267

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	
120-12-7	Anthracene	87	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	960	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	600	
281-01-9	Chrysene	640	
117-81-7	bis(2-Ethylhexyl)phthalate	45	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	600	
207-08-9	Benzo(k)fluoranthene	500	
50-32-8	Benzo(a)pyrene	610	
193-39-5	Indeno(1,2,3-cd)pyrene	500	
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	390	J

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(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3604

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35Y5

Matrix: (soil/water) SOIL Lab Sample ID: 6508.020

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6267

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/03/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/08/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.61	170	J
2.	000243-17-4	11H-Benzo[b]fluorene	12.02	240	JN
3.	003442-78-2	Pyrene, 2-methyl-	12.15	86	JN
4.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.77	97	JN
5.	001705-84-6	Triphenylene, 2-methyl-	13.57	150	JN
6.	000301-02-0	9-Octadecenamide, (Z)-	14.15	150	JN
7.	000301-02-0	9-Octadecenamide, (Z)-	14.15	570	JN
8.	000638-66-4	Octadecanal	14.38	1400	JN
9.	000192-97-2	Benzo[e]pyrene	14.63	120	JN
10.		UNKNOWN	14.65	190	J
11.		UNKNOWN	14.72	260	J
12.	000506-51-4	1-Tetracosanol	14.73	320	JN
13.	000198-55-0	Perylene	14.89	540	JN
14.	067860-04-2	Oxirane, heptadecyl-	15.52	440	JN
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FORM I SV-TIC

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Sample Delivery Group(SDG)
Cover Sheet

SDG Number: B35S0

Laboratory Name.: A4 SCIENTIFIC, INC. **Laboratory Code.:** A4

Contract No.: 68W03027 **Case No.:** 34462

Analysis Price: **SDG Turnaround:** 14 days

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)B35S0	7)B3607	13)	19)
2)B35W2	8)B3608	14)	20)
3)B35W3	9)B3609	15)	21)
4)B35W4	10)B3610	16)	22)
5)B3605	11)	17)	23)
6)B3606	12)	18)	24)

B35S0
First Sample in SDG

B3610
Last Sample in SDG

07/27/2005
First Sample Receipt Date

07/28/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature Sumenkeddy /Accoordnali **Date** 8/2/05

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8/11/05

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6232

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U J
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35S0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6232

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted:(Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	66	J
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	680	
129-00-0	Pyrene	540	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	320	J
193-39-5	Indeno(1,2,3-cd)pyrene	250	J
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	190	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35S0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6232

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.19	150	J
2.	UNKNOWN	3.25	170	J
3.	UNKNOWN	10.61	100	J
4. 000629-80-1	Hexadecanal	14.38	500	JN
5.	UNKNOWN	14.88	160	J
6.	UNKNOWN	22.08	330	J
7.	UNKNOWN	22.08	280	J
8.	UNKNOWN	22.09	290	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.002

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6229

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted:(Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.002

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6229

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	310	~~J~~
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	720	
129-00-0	Pyrene	640	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	330	~~J~~
218-01-9	Chrysene	410	~~J~~
117-81-7	bis(2-Ethylhexyl)phthalate	530	
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	350	~~J~~
207-08-9	Benzo(k)fluoranthene	300	~~J~~
50-32-8	Benzo(a)pyrene	330	~~J~~
193-39-5	Indeno(1,2,3-cd)pyrene	280	~~J~~
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	240	~~J~~

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.002

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6229

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 26 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.24	270	J
2.	UNKNOWN	3.74	170	J
3.	UNKNOWN	10.61	100	J
4. 007390-81-0	Oxirane, hexadecyl-	14.38	670	JN
5. 000205-99-2	Benz[e]acephenanthrylene	14.88	330	JN
6.	UNKNOWN	17.89	340	J
7.	UNKNOWN	17.90	130	J
8. 000473-13-2	Naphthalene 1,2,3,4,4a,5,6,8	17.90	1600	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6235

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted:(Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
92-52-4	1,1'-Biphenyl	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	1000	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	1000	U
		410	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35W3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6235

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	720	J
120-12-7	Anthracene	110	~~U~~ J
86-74-8	Carbazole	69	~~U~~ J
84-74-2	Di-n-butylphthalate	410	U J
206-44-0	Fluoranthene	1400	J
129-00-0	Pyrene	1100	J
85-68-7	Butylbenzylphthalate	410	U J
91-94-1	3,3'-Dichlorobenzidine	410	U J
56-55-3	Benzo(a)anthracene	640	J
218-01-9	Chrysene	720	J
117-81-7	bis(2-Ethylhexyl)phthalate	610	J
117-84-0	Di-n-octylphthalate	410	U J
205-99-2	Benzo(b)fluoranthene	550	J
207-08-9	Benzo(k)fluoranthene	460	J
50-32-8	Benzo(a)pyrene	610	J
193-39-5	Indeno(1,2,3-cd)pyrene	470	J
53-70-3	Dibenzo(a,h)anthracene	410	U J
191-24-2	Benzo(g,h,i)perylene	390	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6235

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.61	220	J
2.	000238-84-6	11H-Benzo[a]fluorene	12.02	240	JN
3.	002381-21-7	Pyrene, 1-methyl-	12.14	110	JN
4.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	150	JN
5.	000243-46-9	Benzo[b]naphtho[2,3-d]thioph	12.77	98	JN
6.	002541-69-7	Benz[a]anthracene, 7-methyl-	13.57	130	JN
7.	007390-81-0	Oxirane, hexadecyl-	14.37	770	JN
8.		UNKNOWN	14.40	110	J
9.	000207-08-9	Benzo[k]fluoranthene	14.62	130	~~JN~~ R
10.	000205-82-3	Benzo[j]fluoranthene	14.88	510	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6231

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6231

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	410	
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	210	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	200	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	140	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6502.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6231

Level: (low/med) LOW Date Received: 07/27/05

% Moisture: 18 Decanted:(Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.25	180	J
2.	014811-95-1	1,19-Eicosadiene	14.37	1100	JN
3.	000198-55-0	Perylene	14.88	470	JN
4.	007390-81-0	Oxirane, hexadecyl-	15.52	97	JN
5.		UNKNOWN	17.89	98	J
6.		UNKNOWN	17.90	88	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3605

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.001

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6242

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B3605

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.001

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6242

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	UR
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	UJ
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	61	J
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	800	
129-00-0	Pyrene	680	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	
218-01-9	Chrysene	440	
117-81-7	bis(2-Ethylhexyl)phthalate	250	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	390	J
207-08-9	Benzo(k)fluoranthene	330	J
50-32-8	Benzo(a)pyrene	410	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	270	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3605

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.001

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6242

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.61	150	J
2.	000243-17-4	11H-Benzo[b]fluorene	11.89	85	JN
3.	000243-17-4	11H-Benzo[b]fluorene	12.02	240	JN
4.	000243-17-4	11H-Benzo[b]fluorene	12.10	89	JN
5.	003442-78-2	Pyrene, 2-methyl-	12.14	150	JN
6.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	240	JN
7.		UNKNOWN	12.77	120	J
8.	002381-31-9	Benz[a]anthracene, 8-methyl-	13.57	230	JN
9.		UNKNOWN	13.62	140	J
10.	067860-04-2	Oxirane, heptadecyl-	14.37	930	JN
11.	000205-82-3	Benzo[j]fluoranthene	14.63	92	JN
12.	000205-99-2	Benz[e]acephenanthrylene	14.88	370	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3606

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6237

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3606

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6237

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	42	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	520	
129-00-0	Pyrene	410	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	250	J
218-01-9	Chrysene	280	J
117-81-7	bis(2-Ethylhexyl)phthalate	470	
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno(1,2,3-cd)pyrene	220	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	170	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3606

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.002

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6237

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICS found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.25	160	J
2.	UNKNOWN	3.74	110	J
3. 000057-10-3	n-Hexadecanoic acid	10.56	140	JN
4.	UNKNOWN	14.15	120	J
5. 014811-95-1	1,19-Eicosadiene	14.38	570	JN
6. 000205-82-3	Benzo[j]fluoranthene	14.88	220	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3607

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.003

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6238

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B3607

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.003

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6238

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	~~U~~ R
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U J
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	480	
129-00-0	Pyrene	400	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	380	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	260	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	250	J
193-39-5	Indeno(1,2,3-cd)pyrene	210	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	160	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3607

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.003

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6238

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.25	200	J
2.	UNKNOWN	3.74	160	J
3. 000112-84-5	13-Docosenamide, (Z)-	14.15	140	JN
4. 000638-66-4	Octadecanal	14.37	740	JN
5. 000198-55-0	Perylene	14.88	170	JN
6. 000638-66-4	Octadecanal	15.52	120	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3608

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6239

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B3608

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6239

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	~~U~~ R
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U J
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	56	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	730	
129-00-0	Pyrene	630	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	380	J
218-01-9	Chrysene	400	
117-81-7	bis(2-Ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	350	J
207-08-9	Benzo(k)fluoranthene	310	J
50-32-8	Benzo(a)pyrene	390	
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	260	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3608

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.004

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6239

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.61	150	J
2.	033543-31-6	Fluoranthene, 2-methyl-	12.02	110	JN
3.	000638-66-4	Octadecanal	14.37	890	JN
4.	000198-55-0	Perylene	14.89	370	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3609

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6240

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3609

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6240

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	~~U~~ R
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U J
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	560	
129-00-0	Pyrene	460	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	280	J
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)phthalate	240	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	300	J
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	290	J
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	180	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3609

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6240

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	14.15	230	J
2.	067860-04-2	Oxirane, heptadecyl-	14.37	640	JN
3.	000198-55-0	Perylene	14.88	270	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3610

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.006

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6241

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B3610

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.006

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6241

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 8 Decanted:(Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	~~U~~ R
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	900	U J
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	72	J
218-01-9	Chrysene	81	J
117-81-7	bis(2-Ethylhexyl)phthalate	55	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	83	J
207-08-9	Benzo(k)fluoranthene	64	J
50-32-8	Benzo(a)pyrene	80	J
193-39-5	Indeno(1,2,3-cd)pyrene	69	J
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	55	J

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B3610

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35S0

Matrix: (soil/water) SOIL Lab Sample ID: 6507.006

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6241

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 08/02/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/05/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.20	86	J
2.	UNKNOWN	3.25	120	J
3. 067860-04-2	Oxirane, heptadecyl-	14.37	470	JN
4.	UNKNOWN	14.88	97	J
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Sample Delivery Group(SDG) Cover Sheet

SDG Number: B35W5

Laboratory Name.: A4 SCIENTIFIC, INC. **Laboratory Code.:** A4

Contract No.: 68W03027 **Case No.:** 34462

Analysis Price: **SDG Turnaround:** 14 days

EPA Sample Numbers in SDG(Listed in Numerical Order)

1)B35W5	7)B35X1	13)B35X7	19)B35Y3
2)B35W6	8)B35X2	14)B35X8	20)B35Y4
3)B35W7	9)B35X3	15)B35X9	21)
4)B35W8	10)B35X4	16)B35Y0	22)
5)B35W9	11)B35X5	17)B35Y1	23)
6)B35X0	12)B35X6	18)B35Y2	24)

B35W5
First Sample in SDG

B35Y4
Last Sample in SDG

07/28/2005
First Sample Receipt Date

07/28/2005
Last Sample Receipt Date

Note: There are a maximum of 20 samples (excluding PE sample) in SDG. Attach TRs to this form in alphanumeric order(the order listed above on this form).

Signature Sumanchiddy / QCloosmite **Date** 8/2/05

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6271

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6271

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	63	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	120	J

(1) Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6271

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.23	250	~~J~~
2. 067860-04-2	Oxirane, heptadecyl-	14.35	770	JN
3.	UNKNOWN	14.75	120	J
4. 1000282-97-3	Heptafluorobutanoic acid, he	14.77	120	JN
5.	UNKNOWN	14.77	130	J
6. 000192-97-2	Benzo[e]pyrene	14.87	220	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.002

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6272

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	42	J
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	47	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

000000047

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35W6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.002

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6272

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	49	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	630	
129-00-0	Pyrene	560	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	360	J
218-01-9	Chrysene	430	
117-81-7	bis(2-Ethylhexyl)phthalate	56	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	390	J
207-08-9	Benzo(k)fluoranthene	320	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	290	J

(1) Cannot be separated from Diphenylamine

00000048

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.002

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6272

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 19 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-34-5	Ethane, 1,1,2,2-tetrachloro-	3.72	230	JN
2.	UNKNOWN	10.60	120	J
3. 033543-31-6	Fluoranthene, 2-methyl-	12.01	91	JN
4. 000638-66-4	Octadecanal	14.36	420	JN
5.	UNKNOWN	14.64	150	J
6. 000198-55-0	Perylene	14.87	400	JN
7.	UNKNOWN	22.02	120	J
8.	UNKNOWN	22.03	130	J
9.	UNKNOWN	22.04	110	J
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FORM I SV-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6273

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35W7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5
Matrix: (soil/water) SOIL Lab Sample ID: 6509.003
Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6273
Level: (low/med) LOW Date Received: 07/28/05
% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/04/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	91	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)phthalate	370	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	96	J

(1) Cannot be separated from Diphenylamine

000000076

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6273

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.59	84	J
2.	UNKNOWN	2.61	92	J
3.	UNKNOWN	3.18	90	J R
4.	UNKNOWN	3.24	160	J R
5.	UNKNOWN	14.13	85	J
6.	UNKNOWN	14.35	600	J
7.	UNKNOWN	14.87	130	J
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FORM I SV-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6274

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	65	J
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35W8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6274

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	240	J
120-12-7	Anthracene	46	J
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	700	
129-00-0	Pyrene	550	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)phthalate	83	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	360	J
207-08-9	Benzo(k)fluoranthene	280	J
50-32-8	Benzo(a)pyrene	360	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	240	J

(1) Cannot be separated from Diphenylamine

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1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.004

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6274

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	230	J R
2.	000243-17-4	11H-Benzo[b]fluorene	12.01	93	JN
3.		UNKNOWN	14.13	87	J
4.	007390-81-0	Oxirane, hexadecyl-	14.36	1600	JN
5.	074339-54-1	Trichloroacetic acid, hexade	14.73	310	JN
6.	001599-67-3	1-Docosene	14.73	110	JN
7.	000192-97-2	Benzo[e]pyrene	14.87	370	JN
8.	067860-04-2	Oxirane, heptadecyl-	15.50	230	JN
9.	007098-22-8	Tetratetracontane	15.85	590	JN
10.		UNKNOWN	17.86	430	J
11.		UNKNOWN	19.98	140	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35W9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6275

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 7 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	890	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	350	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35W9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5
Matrix: (soil/water) SOIL Lab Sample ID: 6509.005
Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6275
Level: (low/med) LOW Date Received: 07/28/05
% Moisture: 7 Decanted: (Y/N) N Date Extracted: 08/04/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	440	
129-00-0	Pyrene	350	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	44	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	160	J
50-32-8	Benzo(a)pyrene	190	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) Cannot be separated from Diphenylamine

000000133

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35W9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6275

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.23	130	J R
2.	014811-95-1	1,19-Eicosadiene	14.36	670	JN
3.	014167-59-0	Tetratriacontane	14.64	95	JN
4.	018435-45-5	1-Nonadecene	14.73	100	JN
5.	000629-96-9	1-Eicosanol	14.74	120	JN
6.	056221-91-1	13-Tetradecen-1-ol acetate	14.75	93	JN
7.	000207-08-9	Benzo[k]fluoranthene	14.87	200	JN R
8.		UNKNOWN	15.50	140	J
9.		UNKNOWN	17.86	150	J
10.		UNKNOWN	22.03	490	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6276

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35X0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6276

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	76	J
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	980	
129-00-0	Pyrene	750	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	480	
218-01-9	Chrysene	550	
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	460	
207-08-9	Benzo(k)fluoranthene	430	
50-32-8	Benzo(a)pyrene	490	
193-39-5	Indeno(1,2,3-cd)pyrene	340	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	330	J

(1) Cannot be separated from Diphenylamine

000000163

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G6276

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	150	J
2.	000243-17-4	11H-Benzo[b]fluorene	12.01	180	JN
3.	001705-84-6	Triphenylene, 2-methyl-	13.56	110	JN
4.	014811-95-1	1,19-Eicosadiene	14.36	1600	JN
5.	000629-96-9	1-Eicosanol	14.74	150	JN
6.	056221-91-1	13-Tetradecen-1-ol acetate	14.74	160	JN
7.	000192-97-2	Benzo[e]pyrene	14.87	460	JN
8.	067860-04-2	Oxirane, heptadecyl-	15.50	340	JN
9.		UNKNOWN	15.54	110	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.007

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6277

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	61	

00000188

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.007

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6277

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	79	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	950	
120-12-7	Anthracene	210	J
86-74-8	Carbazole	75	J
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	690	
218-01-9	Chrysene	720	
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	520	
207-08-9	Benzo(k)fluoranthene	540	
50-32-8	Benzo(a)pyrene	580	
193-39-5	Indeno(1,2,3-cd)pyrene	390	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	340	J

(1) Cannot be separated from Diphenylamine

00000189

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.007

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6277

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 18 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	270	J
2.	000243-17-4	11H-Benzo[b]fluorene	12.01	280	JN
3.	000243-17-4	11H-Benzo[b]fluorene	12.08	110	JN
4.	003442-78-2	Pyrene, 2-methyl-	12.13	120	JN
5.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.63	150	JN
6.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.76	110	JN
7.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.88	110	JN
8.		UNKNOWN	13.19	110	J
9.	001705-85-7	Chrysene, 6-methyl-	13.56	160	JN
10.	000638-66-4	Octadecanal	14.36	710	JN
11.		UNKNOWN	14.38	130	J
12.	000207-08-9	Benzo[k]fluoranthene	14.61	150	~~JN~~ R
13.		UNKNOWN	14.76	100	J
14.	000198-55-0	Perylene	14.87	480	JN
15.	1000131-11-0	Z-2-Octadecen-1-ol	15.50	89	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.008

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6278

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	350	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35X2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.008

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6278

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 5 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	53	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	650	
129-00-0	Pyrene	530	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	300	J
218-01-9	Chrysene	340	J
117-81-7	bis(2-Ethylhexyl)phthalate	49	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	290	J
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	280	J
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	170	J

000000222

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.008

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6278

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	020071-09-4	Benzene, 1,1'-(1,2-cyclobuta	9.63	150	JN
2.	000243-17-4	11H-Benzo[b]fluorene	12.01	75	JN
3.		UNKNOWN	12.90	300	J
4.		UNKNOWN	13.32	230	J
5.		UNKNOWN	13.37	280	J
6.		UNKNOWN	13.40	92	J
7.		UNKNOWN	13.43	98	J
8.	000301-02-0	9-Octadecenamide, (Z)-	14.13	240	JN
9.	000112-84-5	13-Docosenamide, (Z)-	14.15	85	JN
10.	067860-04-2	Oxirane, heptadecyl-	14.36	580	JN
11.	018835-32-0	1-Tricosene	14.74	74	JN
12.		UNKNOWN	14.75	81	J
13.	000205-82-3	Benzo[j]fluoranthene	14.87	240	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.009

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6279

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	43	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	80	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	94	J

000000253

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.009

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6279

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	84	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	170	J
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	320	J
86-74-8	Carbazole	190	J
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	2600	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	70	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	840	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	820	
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	720	

(1) Cannot be separated from Diphenylamine

000000254

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.009

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6279

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 20 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICS found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	002531-84-2	Phenanthrene, 2-methyl-	10.50	280	JN
2.		UNKNOWN	10.60	490	J
3.	000084-65-1	9,10-Anthracenedione	10.85	200	JN
4.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.15	300	JN
5.	000243-42-5	Benzo[b]naphtho[2,3-d]furan	11.86	83	JN
6.	002381-21-7	Pyrene, 1-methyl-	11.88	150	JN
7.	000243-17-4	11H-Benzo[b]fluorene	12.01	570	JN
8.	033543-31-6	Fluoranthene, 2-methyl-	12.09	220	JN
9.	002381-21-7	Pyrene, 1-methyl-	12.14	200	JN
10.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	210	JN
11.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.76	200	JN
12.	001705-84-6	Triphenylene, 2-methyl-	13.56	300	JN
13.	014811-95-1	1,19-Eicosadiene	14.36	1200	JN
14.		UNKNOWN	14.40	220	J
15.	000207-08-9	Benzo[k]fluoranthene	14.63	210	JN
16.	000198-55-0	Perylene	14.88	920	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.010

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6280

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.010

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6280

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	240	J
120-12-7	Anthracene	50	J
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	740	
129-00-0	Pyrene	520	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	390	J
117-81-7	bis(2-Ethylhexyl)phthalate	76	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	340	J
207-08-9	Benzo(k)fluoranthene	320	J
50-32-8	Benzo(a)pyrene	340	J
193-39-5	Indeno(1,2,3-cd)pyrene	250	J
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	230	J

000000292

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.010

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6280

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 24 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICS found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.24	140	J
2.	UNKNOWN	10.60	110	J
3. 014811-95-1	1,19-Eicosadiene	14.36	3400	JN
4. 018835-32-0	1-Tricosene	14.72	730	JN
5. 000192-97-2	Benzo[e]pyrene	14.88	360	JN
6. 056554-87-1	16-Octadecenal	15.51	980	JN
7. 067860-04-2	Oxirane, heptadecyl-	17.09	300	JN
8. 067860-04-2	Oxirane, heptadecyl-	17.09	150	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.011

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6281

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 4 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U J
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	860	U
92-52-4	1,1'-Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
208-96-8	Acenaphthylene	100	J
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	88	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.011

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6281

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 4 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	U
132-64-9	Dibenzofuran	96	J
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
86-73-7	Fluorene	240	J
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	2700 ~~2900~~	E
120-12-7	Anthracene	400	
86-74-8	Carbazole	170	J
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	4700 ~~4800~~	E
129-00-0	Pyrene	3100 ~~3400~~	E
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	1900	
218-01-9	Chrysene	2000	
117-81-7	bis(2-Ethylhexyl)phthalate	76	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	360	
191-24-2	Benzo(g,h,i)perylene	930	

000000325

(1) Cannot be separated from Diphenylamine

*Transferred from B35W5DL

FORM I SV-2 OLM04.3

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.011

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6281

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 4 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 27 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	002531-84-2	Phenanthrene, 2-methyl-	10.50	590	JN
2.		UNKNOWN	10.60	170	J
3.	000203-64-5	4H-Cyclopenta[def]phenanthre	10.60	660	JN
4.	033543-31-6	Fluoranthene, 2-methyl-	11.89	75	JN
5.	000243-17-4	11H-Benzo[b]fluorene	12.00	110	JN
6.	000243-17-4	11H-Benzo[b]fluorene	12.02	180	JN
7.	033543-31-6	Fluoranthene, 2-methyl-	12.09	95	JN
8.	002381-21-7	Pyrene, 1-methyl-	12.14	97	JN
9.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	120	JN
10.	000243-46-9	Benzo[b]naphtho[2,3-d]thioph	12.77	84	JN
11.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.90	120	JN
12.	002541-69-7	Benz[a]anthracene, 7-methyl-	13.57	120	JN
13.	000638-66-4	Octadecanal	14.37	1600	JN
14.		UNKNOWN	14.40	250	J
15.	000192-97-2	Benzo[e]pyrene	14.63	410	JN
16.	074685-33-9	3-Eicosene, (E)-	14.72	400	JN
17.	001599-67-3	1-Docosene	14.72	350	JN
18.		UNKNOWN	14.73	93	J
19.	001599-67-3	1-Docosene	14.73	74	JN
20.	074685-33-9	3-Eicosene, (E)-	14.75	150	JN
21.	000198-55-0	Perylene	14.89	1200	JN
22.	000638-66-4	Octadecanal	15.49	98	JN
23.	007390-81-0	Oxirane, hexadecyl-	15.51	480	JN
24.		UNKNOWN	15.87	530	J
25.	000213-46-7	1,2:7,8-Dibenzophenanthrene	17.57	240	JN
26.	000213-46-7	1,2:7,8-Dibenzophenanthrene	17.58	70	JN
27.	000213-46-7	1,2:7,8-Dibenzophenanthrene	17.58	240	JN
28.					
29.					
30.					

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6282

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

000000401

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6282

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	77	J
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	940	
129-00-0	Pyrene	720	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	450	
218-01-9	Chrysene	480	
117-81-7	bis(2-Ethylhexyl)phthalate	77	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	390	
207-08-9	Benzo(k)fluoranthene	380	
50-32-8	Benzo(a)pyrene	430	
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	250	J

(1) Cannot be separated from Diphenylamine

000000402

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.012

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6282

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.73	200	J
2.		UNKNOWN	10.60	150	J
3.	000243-17-4	11H-Benzo[b]fluorene	12.01	190	JN
4.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	86	JN
5.	000243-46-9	Benzo[b]naphtho[2,3-d]thioph	12.77	77	JN
6.	003351-28-8	Chrysene, 1-methyl-	13.57	120	JN
7.		UNKNOWN	14.14	130	J
8.	067860-04-2	Oxirane, heptadecyl-	14.36	1200	JN
9.		UNKNOWN	14.62	150	J
10.	001599-67-3	1-Docosene	14.72	270	JN
11.	070301-47-2	Chloroacetic acid, pentadecy	14.73	230	JN
12.	000112-92-5	1-Octadecanol	14.74	99	JN
13.	006971-40-0	17-Pentatriacontene	14.74	87	JN
14.	000198-55-0	Perylene	14.88	370	JN
15.		UNKNOWN	15.51	220	J
16.	067860-04-2	Oxirane, heptadecyl-	15.51	110	JN
17.					
18.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.013

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6283

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35X7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027
Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5
Matrix: (soil/water) SOIL Lab Sample ID: 6509.013
Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6283
Level: (low/med) LOW Date Received: 07/28/05
% Moisture: 27 Decanted: (Y/N) N Date Extracted: 08/04/05
Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	54	J
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	740	
129-00-0	Pyrene	640	
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	370	J
218-01-9	Chrysene	430	J
117-81-7	bis(2-Ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	230	J
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	220	J

000000439

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.013

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6283

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	002531-84-2	Phenanthrene, 2-methyl-	10.46	96	JN
2.	002531-84-2	Phenanthrene, 2-methyl-	10.50	120	JN
3.		UNKNOWN	10.60	190	J
4.	003674-66-6	Phenanthrene, 2,5-dimethyl-	11.16	160	JN
5.	033543-31-6	Fluoranthene, 2-methyl-	12.01	110	JN
6.	000112-84-5	13-Docosenamide, (Z)-	14.14	120	JN
7.	000638-66-4	Octadecanal	14.36	350	JN
8.		UNKNOWN	14.62	110	J
9.		UNKNOWN	14.64	93	J
10.	000192-97-2	Benzo[e]pyrene	14.88	320	JN
11.		UNKNOWN	15.86	250	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.014

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6286

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.014

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6286

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	63	J
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	880	
129-00-0	Pyrene	660	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	430	
218-01-9	Chrysene	490	
117-81-7	bis(2-Ethylhexyl)phthalate	65	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	450	
207-08-9	Benzo(k)fluoranthene	370	
50-32-8	Benzo(a)pyrene	450	
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	290	J

000000465

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.014

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6286

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 12 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	130	J
2.	003442-78-2	Pyrene, 2-methyl-	12.01	94	JN
3.	000112-84-5	13-Docosenamide, (Z)-	14.14	100	JN
4.	014811-95-1	1,19-Eicosadiene	14.37	3100	JN
5.	000207-08-9	Benzo[k]fluoranthene	14.63	140	~~JN~~ R
6.	031035-07-1	9-Nonadecene	14.78	280	JN
7.	000205-99-2	Benz[e]acephenanthrylene	14.89	460	JN
8.	056554-87-1	16-Octadecenal	15.51	790	JN
9.	067860-04-2	Oxirane, heptadecyl-	17.09	200	JN
10.	000638-66-4	Octadecanal	17.09	98	JN
11.		UNKNOWN	19.35	88	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6287

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	61	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35X9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6287

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	46	J
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	710	
120-12-7	Anthracene	130	J
86-74-8	Carbazole	82	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	870	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	860	
207-08-9	Benzo(k)fluoranthene	790	
50-32-8	Benzo(a)pyrene	900	
193-39-5	Indeno(1,2,3-cd)pyrene	630	
53-70-3	Dibenzo(a,h)anthracene	200	J
191-24-2	Benzo(g,h,i)perylene	540	

00000499

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35X9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.015

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6287

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	280	J
2.	002381-21-7	Pyrene, 1-methyl-	11.89	120	JN
3.	000243-17-4	11H-Benzo[b]fluorene	12.01	360	JN
4.	002381-21-7	Pyrene, 1-methyl-	12.14	160	JN
5.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	230	JN
6.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.77	170	JN
7.	001705-84-6	Triphenylene, 2-methyl-	13.57	230	JN
8.	002498-77-3	Benz[a]anthracene, 1-methyl-	13.62	140	JN
9.	067860-04-2	Oxirane, heptadecyl-	14.36	1800	JN
10.	000205-99-2	Benz[e]acephenanthrylene	14.63	300	JN
11.	079392-43-1	Trifluoroacetic acid, n-octa	14.72	160	JN
12.		UNKNOWN	14.74	180	J
13.	000207-08-9	Benzo[k]fluoranthene	14.89	870	~~JN~~ R
14.	067860-04-2	Oxirane, heptadecyl-	15.51	460	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35YO

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.016

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6288

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	420	U
92-52-4	1,1'-Biphenyl	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	420	U
131-11-3	Dimethylphthalate	1000	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	57	J
83-32-9	Acenaphthene	1000	U
		420	U

000000538

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35YO

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.016

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6288

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	82	J
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	790	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	510	
218-01-9	Chrysene	600	
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	540	
207-08-9	Benzo(k)fluoranthene	450	
50-32-8	Benzo(a)pyrene	520	
193-39-5	Indeno(1,2,3-cd)pyrene	400	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	340	J

00000539

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.016

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6288

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 21 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICS found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000243-17-4	11H-Benzo[b]fluorene	12.02	160	JN
2.	002381-21-7	Pyrene, 1-methyl-	12.14	96	JN
3.	000205-43-6	Benzo[b]naphtho[1,2-d]thioph	12.77	95	JN
4.	001705-84-6	Triphenylene, 2-methyl-	13.57	130	JN
5.	000112-84-5	13-Docosenamide, (Z)-	14.14	100	JN
6.	014811-95-1	1,19-Eicosadiene	14.36	1900	JN
7.	001599-67-3	1-Docosene	14.73	670	JN
8.	001599-67-3	1-Docosene	14.74	210	JN
9.	056221-91-1	13-Tetradecen-1-ol acetate	14.78	270	JN
10.	000050-32-8	Benzo[a]pyrene	14.89	530	JN
11.	000638-66-4	Octadecanal	15.51	620	JN
12.	007390-81-0	Oxirane, hexadecyl-	17.09	230	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.017

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6289

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 1 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	840	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	840	U
83-32-9	Acenaphthene	330	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35Y1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.017

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6289

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 1 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	840	U
100-02-7	4-Nitrophenol	840	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-methylphenol	840	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	46	J
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	630	
129-00-0	Pyrene	520	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	300	J
218-01-9	Chrysene	350	
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	290	J
207-08-9	Benzo(k)fluoranthene	240	J
50-32-8	Benzo(a)pyrene	300	J
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	180	J

000000574

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.017

Sample wt/vol: 30.1 (g/mL) G Lab File ID: G6289

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 1 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

Number TICS found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	003076-04-8	2-Propenoic acid, tridecyl e	9.16	190	JN
2.		UNKNOWN	10.60	110	J
3.	086544-79-8	1,3-Diphenyl-3-methylcyclopr	11.16	84	JN
4.	000243-17-4	11H-Benzo[b]fluorene	12.02	84	JN
5.	000112-84-5	13-Docosenamide, (Z)-	14.14	270	JN
6.	000112-84-5	13-Docosenamide, (Z)-	14.15	80	JN
7.	014811-95-1	1,19-Eicosadiene	14.37	2100	JN
8.	018435-45-5	1-Nonadecene	14.72	690	JN
9.		UNKNOWN	14.78	140	J
10.	000198-55-0	Perylene	14.88	270	JN
11.	067860-04-2	Oxirane, heptadecyl-	15.51	240	JN
12.		UNKNOWN	20.01	78	J
13.		UNKNOWN	20.02	90	J
14.		UNKNOWN	22.06	460	J
15.		UNKNOWN	22.07	400	J
16.		UNKNOWN	22.07	280	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6290

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	180	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6290

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	100	J
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	170	J
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1900	
120-12-7	Anthracene	200	J
86-74-8	Carbazole	180	J
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	2900	
129-00-0	Pyrene	2000	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	950	
207-08-9	Benzo(k)fluoranthene	900	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	710	
53-70-3	Dibenzo(a,h)anthracene	220	J
191-24-2	Benzo(g,h,i)perylene	610	

000000613

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.018

Sample wt/vol: 30.2 (g/mL) G Lab File ID: G6290

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICS found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	440	J
2.	000084-65-1	9,10-Anthracenedione	10.86	360	JN
3.	002381-21-7	Pyrene, 1-methyl-	11.89	140	JN
4.	000243-17-4	11H-Benzo[b]fluorene	12.02	430	JN
5.	002381-21-7	Pyrene, 1-methyl-	12.14	200	JN
6.	000479-79-8	11H-Benzo[a]fluoren-11-one	12.64	260	JN
7.	000239-35-0	Benzo[b]naphtho[2,1-d]thioph	12.77	200	JN
8.	001705-84-6	Triphenylene, 2-methyl-	13.57	220	JN
9.	000301-02-0	9-Octadecenamide, (Z)-	14.14	230	JN
10.		UNKNOWN	14.15	94	J
11.	000638-66-4	Octadecanal	14.36	1500	JN
12.		UNKNOWN	14.40	240	J
13.	000207-08-9	Benzo[k]fluoranthene	14.63	320	~~JN~~ R
14.		UNKNOWN	14.73	240	J
15.	074685-33-9	3-Eicosene, (E)-	14.73	240	JN
16.	074339-54-1	Trichloroacetic acid, hexade	14.74	260	JN
17.	000205-99-2	Benz[e]acephenanthrylene	14.89	860	JN
18.	000638-66-4	Octadecanal	15.51	500	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.019

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6291

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	44	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B35Y3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.019

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6291

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 25 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	64	J
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	950	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	440	
218-01-9	Chrysene	530	
117-81-7	bis(2-Ethylhexyl)phthalate	89	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	
207-08-9	Benzo(k)fluoranthene	410	J
50-32-8	Benzo(a)pyrene	450	
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	280	J

00000655

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.019

Sample wt/vol: 30.3 (g/mL) G Lab File ID: G6291

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICS found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.60	140	J
2.	033543-31-6	Fluoranthene, 2-methyl-	12.02	140	JN
3.		UNKNOWN	13.42	120	J
4.	000112-84-5	13-Docosenamide, (Z)-	14.15	330	JN
5.		UNKNOWN	14.16	120	J
6.	014811-95-1	1,19-Eicosadiene	14.36	1700	JN
7.		UNKNOWN	14.63	140	J
8.	000593-50-0	1-Triacontanol	14.73	580	JN
9.	000207-08-9	Benzo[k]fluoranthene	14.89	430	~~JN~~ K
10.	067860-04-2	Oxirane, heptadecyl-	15.51	440	JN
11.		UNKNOWN	17.09	160	J
12.	014811-95-1	1,19-Eicosadiene	17.09	190	JN
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.020

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6292

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	51	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B35Y4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.020

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6292

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted:(Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	250	
86-74-8	Carbazole	54	J
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	3200	
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	980	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	830	
53-70-3	Dibenzo(a,h)anthracene	270	
191-24-2	Benzo(g,h,i)perylene	690	

000000689

(1) Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B35Y4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68W03027

Lab Code: A4 Case No.: 34462 SAS No.: _____ SDG No.: B35W5

Matrix: (soil/water) SOIL Lab Sample ID: 6509.020

Sample wt/vol: 29.9 (g/mL) G Lab File ID: G6292

Level: (low/med) LOW Date Received: 07/28/05

% Moisture: 23 Decanted: (Y/N) N Date Extracted: 08/04/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/09/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICS found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000203-64-5	4H-Cyclopenta[def]phenanthre	10.60	440	JN
2.	002381-21-7	Pyrene, 1-methyl-	11.89	140	JN
3.	000243-17-4	11H-Benzo[b]fluorene	12.02	580	JN
4.	000243-17-4	11H-Benzo[b]fluorene	12.09	310	JN
5.	002381-21-7	Pyrene, 1-methyl-	12.14	200	JN
6.		UNKNOWN	12.16	89	J
7.		UNKNOWN	13.21	230	J
8.	001705-84-6	Triphenylene, 2-methyl-	13.57	280	JN
9.	014811-95-1	1,19-Eicosadiene	14.37	2300	JN
10.	000207-08-9	Benzo[k]fluoranthene	14.63	330	JN
11.	001599-67-3	1-Docosene	14.72	540	JN
12.	001599-67-3	1-Docosene	14.73	450	JN
13.	000198-55-0	Perylene	14.89	920	JN
14.	007390-81-0	Oxirane, hexadecyl-	15.51	500	JN
15.	007390-81-0	Oxirane, hexadecyl-	15.51	120	JN
16.		UNKNOWN	17.58	180	J
17.		UNKNOWN	20.01	100	J
18.		UNKNOWN	20.02	130	J
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Appendix F

APPENDIX F

Lead X-Ray Fluorescence Screening Technical Memorandum
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

LOCKHEED MARTIN

DATE: February 24, 2006

TO: Robert Phillips, REAC Task Leader

FROM: Lawrence Kaelin, REAC Field Chemist

Subject: Technical Memorandum, Niton XL 700 XRF Field Screening Results, Roselle Park Youth Baseball League Site, Work Assignment # 0-161

Background. The Roselle Park Youth Baseball League Site (Site) playing fields are located over a former town landfill on West Webster Avenue in Roselle Park, Union County, NJ. In response to complaints received in 1998, the Environmental Protection Agency (EPA) Region II conducted sampling events in 1999, 2000 and 2001 which identified the presence of low levels of lead (Pb), polycyclic aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs) in the surface and near-surface soil.

From July 25, 2005 through July 29, 2005, personnel from the Response Engineering and Analytical Contract (REAC) at the request of the EPA Environmental Response Team (ERT), were mobilized to the Site to conduct a limited extent of contamination assessment. Field screening for the rapid on-site analysis of samples for the presence of Pb was accomplished using a Niton, Model XL 700, field portable X-Ray Fluorescence Spectrometer (XRF). Screening results were used to direct on-going and subsequent sampling efforts to define the extent of Pb soil contamination. A total of 133 soil samples, plus duplicate samples and replicate XRF analysis, were analyzed via the Niton XL 700 XRF during this period.

Niton XRF. The Niton field portable XRF is a hand-held instrument which uses up to two sealed radioactive source to excite a range of elements present in the sample matrix. As the elements return to ground state they emit energy in the form of X-rays indicative of the elements present in the sample matrix. An energy discriminating detector separates the energy peaks characteristic of each element and record the intensity at each peak, indicative of the concentration of the particular element peak. Software in the Niton XL700 XRF will account for the possible spectral enhancement, suppression and overlapping of energy intensities and peaks from interfering elements using a classical fundamental parameters set of equations. The Niton XL700 XRF was operated using the Cd^{109} radioisotope source, at a 60 "source seconds" analysis time, which automatically compensates for the natural decay of the source over time. A series of standard reference materials (SRMs) were used to check the operation and response of the XRF as well as to calculate a statistically estimated method detection limit (MDL). A low Pb SRM (SRM# 2709) was analyzed repeatedly throughout the period of field screening, July 25-27, 2005, and the standard deviation (SDV) determined. The MDL is estimated at three times the standard deviation where:

$$MDL = 3 \times SDV$$

The MDL for Pb calculated from the repetitive analysis of the SRM during the period of analysis was 15 milligrams/kilogram (mg/kg). Results for Pb below the MDL are considered as not detected (ND) and should not be used for extent of contamination modeling or comparison to laboratory confirmation analysis.

Results. The XRF Pb field screening results are summarized in Table 1. The XRF Pb results ranged from ND for the clean fill to 2,970 mg/kg at location W-X5. Soils from the Wolf baseball field, locations W-A5 to W-J4, had the highest average Pb values at an average of 723 mg/kg. Additional Wolf field associated locations, W-X1 to W-X16, had an average Pb value of 938 mg/kg. The soils from the Adase baseball field, locations A-A5 to A-J7, had an average Pb value of 189 mg/kg. Soils from the adjacent town public works property, locations PW-1 through PW-8, had an average Pb value of 94 mg/kg. Soils from the rail road track area bordering both fields, locations RR-1 through RR-10, had an average Pb value of 188 mg/kg.

Table 2 summarizes the comparison of the field XRF Pb and laboratory confirmation Pb analysis. A simple linear regression analysis (LR) was performed to compare the XRF and laboratory results, using a subset of 48 data pairs. The resulting regression line (Lab Pb = 40.814 + 1.2028 XRF Pb) and corresponding upper and lower 95th prediction intervals are depicted in Figure 1. The associated coefficient of determination (R^2) was computed to be 0.9095 indicating that 91 percent (%) of total variability can be explained by the linear regression model. Additionally, a statistical test of significance was computed to determine if the linear relationship represented by the regression model could have occurred through random chance. Alpha, the statistical significance level, was set at 0.05. The resulting probability value of <0.0001 indicated that a statistically significant relationship does exist between the XRF and laboratory values.

The regression model was evaluated using several diagnostic techniques including residual plots, computation of prediction intervals, and measures of influence. This statistical output can be found in Appendix C. Residual plots indicated a pattern of moderately increasing variability/error with increasing Pb concentration. Additionally, sample PW6 stands out as a possible anomaly or outlier. Additional information would be required in order to determine whether this sample result (PW6) is a true representative of site conditions or whether an external influence may have affected the individual results.

The relative percent difference (RPD) between the XRF and laboratory was calculated as another means of comparing the lead results. Table 2 lists the RPD which ranged from 1 percent (%) to 150 %, with an average of 23%. The RPD was determined as below:

$$RPD = (|xrf - lab|) \div ((xrf + lab) \div 2) \times 100$$

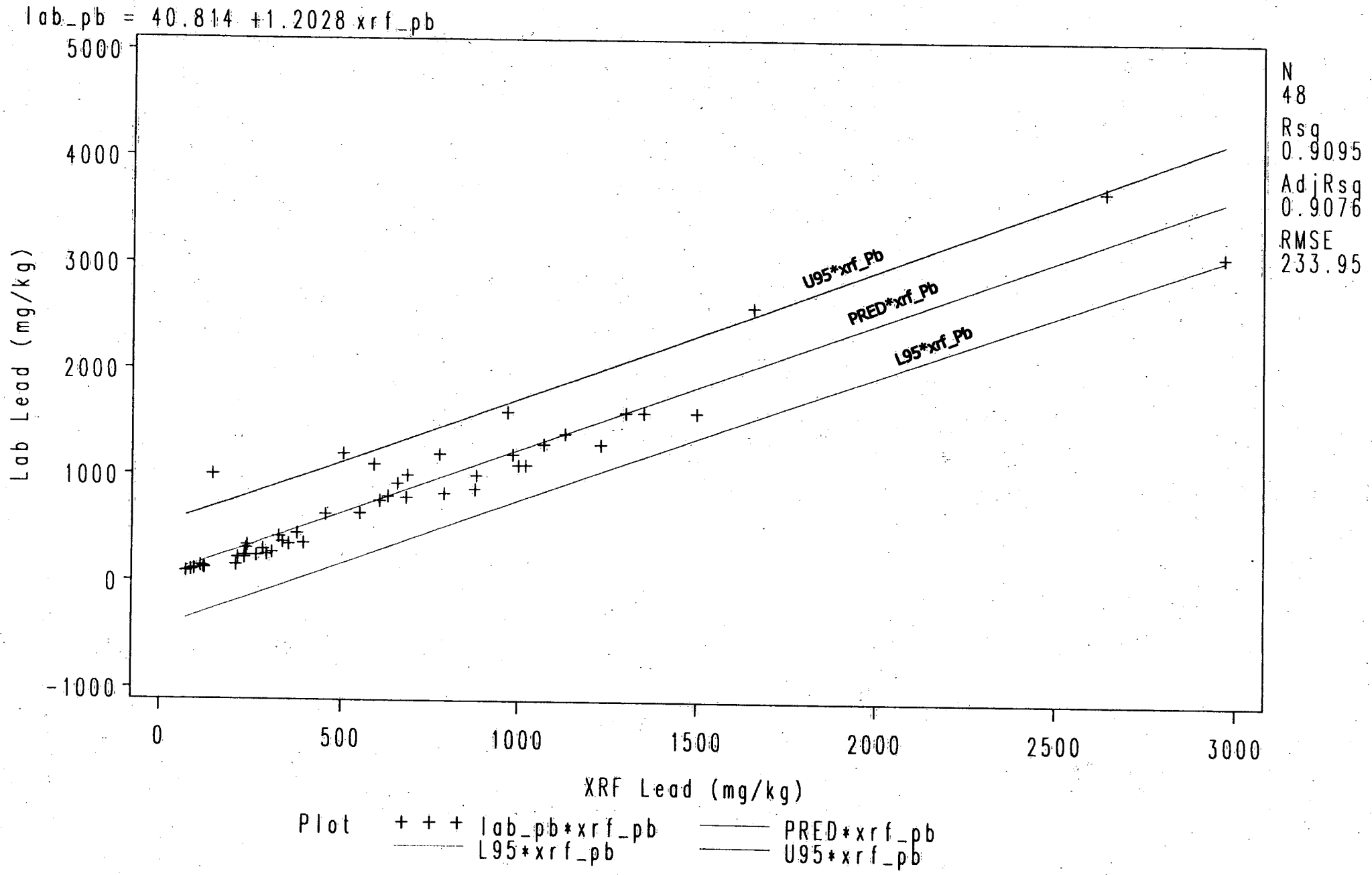
A series of four SRMs ranging in certified Pb concentrations from 18.9 to 5,532 mg/kg was analyzed by the Niton XL700 XRF and a LR analysis was determined. Figure 2 depicts the LR plot of the SRMs certified Pb values against the Pb values determined by the XRF in the field. Although only four SRMs were available for the LR analysis the R^2 and "y" values were close to unity at 0.999 and 0.981, respectively. The PRD between the certified values and the XRF determined values for the set of four SRMs ranged from 1.8 to 21 % with no apparent bias across the range of concentrations. This indicates that the XRF was producing reliable Pb results while in the field.

The summary of the raw Niton XL700 XRF data are in Appendix A. Copies of the XRF field laboratory logbook entries are in Appendix B.

Conclusions. The Wolf baseball field, and associated area, is more contaminated with Pb in soils than the Adase baseball field, town public works, or the rail road areas. The Niton XL700 XRF was able to generate reliable field screening results, while on Site, to rapidly assess the extent of Pb contamination in soils. Comparisons between the XRF screening results and laboratory data showed that the Pb results from the Niton XL700 XRF were slightly lower when compared to confirmation laboratory analysis by about 20 % with moderately increasing variability as Pb concentrations increased. This could be due to site specific soil grain size variability, matrix non-uniformity, or interfering elements present in the soil matrix which may have suppressed the XRF response. The simple linear regression model showed a strong statistically-significant linear relationship between the XRF field screening results and the laboratory data with R^2=0.9095. This model could be used to predict expected laboratory results from XRF field screening results, however error as depicted by the prediction intervals must be included in the computations.

Figure 1. Linear Regression Analysis

Niton Field Screening Results for Lead Compared to Laboratory Analysis
Roselle Park Youth Baseball League Site, W.A. 0-161



Appendix A
Niton XL700 XRF Raw Data
Technical Memorandum
Niton XL 700 XRF Field Screening Results
Roselle Park Youth Baseball League Site
February 2006

Serial #XL700-U1757LU687				
BULK				
Header:	WA 161			
Site: Roselle Park Youth Baseball Fields				
No	Cor1	Date/Time	Pb	Pb Error
1	Shutter Ca	7/22/2005 14:01	NA	
2	JUNK	7/22/2005 14:10	5049.6	460
3	JUNK	7/22/2005 14:11	5398.4	140
4	JUNK	7/22/2005 14:15	5308.8	160
5	Shutter Ca	7/25/2005 11:04	NA	
6	#SiO2	7/25/2005 11:09	<LOD	12.3
7	#2709	7/25/2005 11:13	20.5	13.5
8	#2710	7/25/2005 11:18	5040	140
9	#2711	7/25/2005 11:22	1069.6	51.8
10	#rcra	7/25/2005 11:27	573.2	47.7
11	#2709	7/25/2005 11:31	<LOD	17.55
12	#2709	7/25/2005 11:36	<LOD	19.05
13	Shutter Ca	7/25/2005 12:33	NA	
14	WC7-ASIS	7/25/2005 12:34	404.8	21.1
15	WF7-ASIS	7/25/2005 12:43	450	24.8
16	WF7	7/25/2005 12:51	547.6	41.1
17	WC7	7/25/2005 12:55	575.6	43
18	WA7-DUP-ASIS	7/25/2005 12:59	653.6	44.1
19	WA7-DUP	7/25/2005 13:03	776	49.8
20	WA7-DUP-REP	7/25/2005 13:08	586.8	33.8
21	WA7-ASIS	7/25/2005 13:14	612.4	39.6
22	WA7	7/25/2005 13:19	591.2	43
23	WH7-ASIS	7/25/2005 13:23	926.4	49.5
24	WH7	7/25/2005 13:27	1069.6	40.7
25	WH7-DUP	7/25/2005 13:34	1029.6	57.6
26	WB7-ASIS	7/25/2005 13:39	459.6	34.7
27	WB7	7/25/2005 13:43	587.2	36.2
28	WA5-ASIS	7/25/2005 13:49	439.6	26.4
29	WA9-ASIS	7/25/2005 13:56	497.6	24.1
30	WH3-ASIS	7/25/2005 14:04	648.8	30.8
31	WE7-ASIS	7/25/2005 14:10	508.4	29.4
32	WG7	7/25/2005 14:17	966.4	39
33	WH3	7/25/2005 14:25	657.6	25
34	WB9	7/25/2005 14:36	382.2	23.8
35	WA9	7/25/2005 14:43	820	51.9
36	#2709	7/25/2005 14:48	<LOD	24
37	#RCRA	7/25/2005 14:53	564.4	55.1
38	#rcra	7/25/2005 14:56	592.8	55.2
39	#rcra	7/25/2005 15:00	592.4	40.1
40	#rcra	7/25/2005 15:07	543.2	53.6
41	#rcra	7/25/2005 15:11	579.2	54.2
42	#rcra	7/25/2005 15:14	560.8	45.6
43	#SiO2	7/25/2005 15:20	<LOD	12.15
44	#2709	7/25/2005 15:25	24.4	12.3
45	#2709	7/25/2005 15:30	<LOD	21.6
46	#2710	7/25/2005 15:35	5619.2	170
47	#2711	7/25/2005 15:39	1200	64.2
48	Shutter Ca	7/26/2005 8:32	NA	
49	#SiO2	7/26/2005 8:34	<LOD	11.25
50	#2709	7/26/2005 8:38	<LOD	16.95
51	#2710	7/26/2005 8:43	5488	160
52	#2711	7/26/2005 8:47	1069.6	53.4
53	#rcra	7/26/2005 8:51	506.8	45.5
54	#rcra	7/26/2005 8:54	509.2	45.2
55	#rcra	7/26/2005 8:59	526.8	27.7
56	WD6	7/26/2005 9:09	367	24.1
57	WF8	7/26/2005 9:15	718.8	41.3
58	WA5	7/26/2005 9:19	572.4	38.9
59	WE7	7/26/2005 9:23	488.8	31.7
60	WG8	7/26/2005 9:27	920	46.8
61	#RCRA	7/26/2005 9:31	525.6	41.5
62	WH6	7/26/2005 9:37	876.8	46.1
63	WH7-DUP	7/26/2005 9:41	1220	54.9
64	WF6	7/26/2005 9:46	360.8	28.4
65	WG5	7/26/2005 9:50	630.8	38.8
66	WE1	7/26/2005 9:54	107.1	15.8

Serial #XL700-U1757LU687				
BULK				
Header:	WA 161			
Site: Roselle Park Youth Baseball Fields				
67	WF3	7/26/2005 9:59	504	32.2
68	WG7	7/26/2005 10:04	966.4	53.3
69	WG2	7/26/2005 10:08	1020	53.1
70	WE6	7/26/2005 10:12	308.2	28.7
71	WG6	7/26/2005 10:16	880.8	44.7
72	WF1	7/26/2005 10:21	709.2	43.9
73	#RCRA	7/26/2005 10:26	525.2	48.4
74	#RCRA	7/26/2005 10:30	570	49.9
75	WC6-DUP	7/26/2005 10:35	814.8	45.2
76	WG1	7/26/2005 10:39	354.2	30.5
77	Shutter Ca	7/26/2005 10:59	NA	
78	WJ1	7/26/2005 11:00	224.8	26.4
79	ABORTED	7/26/2005 11:04	243.4	25.4
80	ABORTED	7/26/2005 11:43	243.4	25.4
81	ABORTED	7/26/2005 11:46	243.4	25.4
82	ABORTED	7/26/2005 11:48	741.2	400
83	WJ2	7/26/2005 11:49	1000	52.6
84	WC6	7/26/2005 11:53	293	24.9
85	ABORTED	7/26/2005 11:58	293	24.9
86	WH5	7/26/2005 12:01	1500	61.4
87	WA6	7/26/2005 12:05	257.6	22
88	W-DUGOUT	7/26/2005 12:10	36	16
89	WJ4	7/26/2005 12:14	789.6	46.5
90	WE8	7/26/2005 12:19	721.2	42.9
91	WD9	7/26/2005 12:23	1120	56.3
92	#RCRA	7/26/2005 12:27	531.2	39.4
93	#SiO2	7/26/2005 12:32	<LOD	11.1
94	WH2	7/26/2005 12:37	1300	62.4
95	WE5-DUP	7/26/2005 12:41	213	23.5
96	WC8	7/26/2005 12:45	685.6	37.1
97	WH8	7/26/2005 12:50	984	46.3
98	WF9	7/26/2005 12:54	2640	76.7
99	WE9	7/26/2005 12:59	1659.2	68.3
100	WD8	7/26/2005 13:03	894.4	41.7
101	WG9	7/26/2005 13:09	455.2	26.9
102	WE5	7/26/2005 13:15	238.6	23.7
103	WF4	7/26/2005 13:19	394.2	32.9
104	#RCRA	7/26/2005 13:23	547.6	41.3
105	AJ5	7/26/2005 13:28	283.4	22.2
106	AA8	7/26/2005 13:34	61.7	13
107	AH5	7/26/2005 13:40	230.6	21
108	AC6	7/26/2005 13:46	93.3	15.7
109	AC9	7/26/2005 13:51	95.9	17.4
110	AH1	7/26/2005 13:55	249.6	20.6
111	AH6	7/26/2005 14:00	121.3	16.1
112	AG3	7/26/2005 14:06	205.8	20.4
113	AH4	7/26/2005 14:11	304.8	22.4
114	AB7	7/26/2005 14:17	123.1	16.9
115	AC8	7/26/2005 14:22	137.3	15.7
116	AB9	7/26/2005 14:28	75.7	16.2
117	#2709	7/26/2005 14:32	<LOD	18.3
118	#RCRA	7/26/2005 14:36	536.8	39.5
119	AH10	7/26/2005 14:42	283.4	26.4
120	AA9	7/26/2005 14:46	56.1	14
121	AB8	7/26/2005 14:51	135	17.2
122	AH3	7/26/2005 14:57	227.8	21.8
123	AG4	7/26/2005 15:02	321.4	27.7
124	AB6	7/26/2005 15:06	66.5	13.6
125	AG2	7/26/2005 15:12	318.4	28
126	#SiO2	7/26/2005 15:16	<LOD	11.25
127	#2709	7/26/2005 15:22	23.2	14
128	#2710	7/26/2005 15:26	5708.8	170
129	#2711	7/26/2005 15:30	1089.6	55.6
130	#RCRA	7/26/2005 15:34	516.4	42.8

Appendix B
XRF Field Logbook Entries
Technical Memorandum
Niton XL 700 XRF Field Screening Results
Roselle Park Youth Baseball League Site
February 2006

PROJECT Lab Maintenance

Notebook No. L0005

Continued From Page —

5-10-05 Pack #1 fully charged, off charger @ 1203 pm.
D Kalinsky 5-10-05

07/25/05 Roselle Park Youth BB Site WA#16
Niton XL 722S

run#	ID	time	Sec	Pb (ppm)	comments
5	5	1145	—	(serial part in)	360 eV OK
6	SAND	1154	62	<12	
7	2709	1158	61	20.5	± 13.0
8	2710	1202	63	5040	± 140
9	2711	1207	67	1070	± 52.0
10	RCRA	1211	61	573	± 48.0
11	2709	1216	70	<18	not ID'ed
12	2709	1221	61	<20	" "
	~~WA7DUP~~	~~1303~~		battery failure	~~as is~~

run#	ID	time	Sec	Pb (ppm)	comments
13	calcheck	—	—	—	359 eV OK
14	WC7 (as is)	145 →		405 ± 21	± 21.0
15	WF7 (as is)	13:27	128 s	450 ± 25	as is
16	WF7 Dry	1336	65 s	548 ± 41	dried
17	WC7-Dry	1340	62	576 ± 43	dried
18	WA7-DUP (as is)	1344	62	654 ± 44	as is
19	WA7 DUP (dry)	1348	64	776 ± 50	dried
20	WA7 DUP-Rep (as is)	1352	92	587 ± 34	rep/as is/dup
21	WA7 (as is)	1359	69	612 ± 40	- as is
22	WA7 (dried)	1403	61	591 ± 43	- dried
23	WH7 (as is)	1407	61	926 ± 49	- as is
24	WH7 (dry)	1411	108	1070 ± 41	dried
25	WH7 DUP as is	1419	60 s	1030 ± 58	dup/as is
26	WB7 as is	1423	62 s	460 ± 35	as is
27	WB7 dry	1428	86 s	587 ± 36	dried
28	WA5 as is	1434	100 s	440 ± 26	as is
29	WA9 as is	1440	135 s	498 ± 24	as is
30	WH3 as is		104	649 ± 31	as is
31	WE7 as is	1455	98 s	508 ± 29	as is

note: XRF unit time off by 45 minutes

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Roselle Park Youth Baseball Site WA#161
Niton XL 722S

run#	ID	time	sec	Pb (ppm)	Comment
32	WG7 (dry)	1502	126	966 ± 39	dried
33	WH3 (dry)	1510	181	658 ± 25	dried
34	WB9 (dry)	1521	124	382 ± 24	"
35	WA9 dry	1528	61	820 ± 52	"
36	2709	1532	60	<24	not ID'ed STD
37	RCRA	1537	60	569 ± 55	
38	RCRA	1540	60	593 ± 55	
39	RCRA	1544	117	592 ± 40.0	
40	RCRA	1550	60	543 ± 54	
41	RCRA	1555	60	579 ± 54	
42	RCRA	1559	83	561.0 ± 46	
43	SiO_2	1604	71	~<20	not ID'ed
44	2709	1609	98	24.9 ± 12	STD
45	2709	1615	68	<22	
46	2710	1620	64	5620 ± 170	
47	2711	1623	60	1200 ± 64.0	

7/25/05

7/26/05 Niton XL 722S

run#	ID	time	sec	Pb (ppm)	Comments
48	Calcheck				36/ev-OK
49	SiO_2	0919	60	<11.0	
50	2709	0923	72	<20	STD
51	2710	0927	60	5490 ± 160	not ID
52	2711	0931	61	1070	
53	RCRA	0935	61	507 ± 45	
54	RCRA	0939	61	509 ± 45	
55	RCRA	0943	169	527 ± 28.0	
56	WD6 (dry)	0953	92	367 ± 24	dried
57	WF8 dry	0959	63	719 ± 41	
58	WA5 (dry)	1003	60	572 ± 39	
59	WE7 (dry)	1007	64	489 ± 32	
60	WG8 (dry)	1012	63	920 ± 64	
61	RCRA	1016	74	526 ± 41	STD

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PROJECT Roselle Park Youth BB Site Notebook No. WA#16 / 7

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Niton XL 7225

run #1	ID	time	sec	Pb (ppm)	comments
62	WH6 dry	1021	66	877 ± 46	dried
63	WH7 Dup dry	1026	71	1220 ± 55	duplicate
64	WF6 (dry)	1030	74	361 ± 28	dried
65	WG5 (dry)	1035	60	631 ± 39	
66	WE1 (dry)	1039	82	107 ± 16	
67	WF3 (dry)	1044	75	504 ± 32	
68	WG7 (dry)	1049	62	966 ± 53	
69	WG2 (dry)	1053	60	1020 ± 53	
70	WE6 (dry)	1057	61	308 ± 29	
71	WG6 (dry)	1101	72	881 ± 45	
72	WF1 (dry)	1106	61	709 ± 44	
73	RCRA	1111	61	528 ± 48	STD
74	RCRA	1114	60	570 ± 50	STD
75	WC6 Dup (dry)	1119	60	815 ± 45	duplicate
76	WG1 (dry)	1124	61	354 ± 30	dried
77	WJ1 (dry)	1128		aborted ?	

changed out battery / went dead in middle of run restart

Cal check — — → 355 eV → OK

78	WJ1 dry	1145	60 sec	225 ± 26	dried
79	WC6 (dry)	1149	60	243 ± 25	will
80	WH5 (dry)	1227	60	243 ± 25	?? redo
81	WJ2 dry		60	243 ± 25	
82	aborted run			note: repeating previous data	
83	WJ2 (dry)		60	1000 ± 53	run #85
84	WC6 (dry)	1238	77	293 ± 25	aborted
86	WH5 (dry)	1242	74	1500 ± 61	dried
87	WA6 (dry)	1250	80	258 ± 22	
88	W-DOGOUT	1255	60	36 ± 16.0	
89	WJ4	1259	65	790 ± 46	
90	WEB	1303	65	721 ± 43	
91	WD9	1307	61	1120 ± 56	
92	RCRA	1311	81	531 ± 39	STD
93	SiO_2	1316	70	<11.0	

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PROJECT Roselle Park YBb Site

Notebook No. WA#161

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Niton XL722S

run#	ID	time	sec	Pb (ppm)	Comments
94	WH2 (dry)	1321	61	1300 ± 62	dried
95	WE5 Dup (dry)	1325	63	213 ± 23	duplicate
96	WC8 (dry)	1329	83	686 ± 37	dried
97	WH8 (dry)	1334	70	984 ± 46	
98	WF9 (dry)	1339	80	2640 ± 77	
99	WE9 (dry)	1344	60	1660 ± 68	
100	WD8 (dry)	1348	86	894 ± 42	
101	WG9 (dry)	1355	100	455 ± 27	
102	WE5 (dry)	1359	72	239 ± 24	
103	WF4 (dry)	1404	61	394 ± 33	
	~~WE5~~ dry TPC - all "A" samples are dried / scived				
104	RCRA	1408	78	548 ± 41	
105	AJ5	1413	94	283 ± 22	
106	AA8	1419	95	61.7 ± 13	
107	AH5	1425	93	231 ± 21	
108	AC6	1431	76	93.3 ± 16	
109	AC9	1435	63	95.9 ± 17	
110	AH1	1439	95	250 ± 21	
111	AH6	1445	93	121 ± 16	
112	AG3	1451	85	206 ± 20	
113	AH4	1456	99	305 ± 22	
114	AB7	1502	82	123 ± 17	
115	AC8	1507	97	137 ± 16	
116	AB9	1513	63	75.7 ± 16	
117	λ709	1517	63	< 20	not ID'ed
118	RCRA	1521	88	537 ± 39	
119	AH10	1527	67	283 ± 26	
120	AA9	1531	83	56.1 ± 14	
121	AB8	1536	83	135 ± 17	
122	AH3	1541	86	228 ± 22	
123	AG4	1546	66	321 ± 28	
124	AB6	1551	88	66.5 ± 14.0	
125	AG2	1556	65	318 ± 28.0	

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PROJECT Roselle Park Y BB Site

Notebook No. WA# 161

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Niton XL 7225

run #1	ID	time	sec	Pb (ppm)	comments
126	SiO_2	1600	60s	<11	—
3 127	2709	1604	60	23.2	±14
128	2710	1611	60	5710	± 170
129	2711	1614	61	1090	± 56.0
130	RCRA	1620	74	516	± 43.0

down load

note: time off ~ 45 min

07/26/05

07/27/05

Niton XL 7225 - corrected to local time

All samples are dried / sieved

~~run~~ #	ID	time	sec	Pb (ppm)	comments
shutter cal		—	—		359 ev → OK
132	#SiO_2	0902	60	<14.0	
2 133	#2709	0908	62	22.7 ±14	
134	#2709	0912	72	<20	not ID'ed
135	#2710	0916	68	5470 ± 150	
136	#2711	0920	86	1130 ± 49	
137	# RCRA	0926	60	584 ± 52	
138	#RCRA	0930	70	527 ± 48	
139	#RCRA	0934	62	543 ± 50	
140	AF5	0938	65	302 ± 29.0	
141	AD8 Rep	0942	61	96.1 ± 19	replicate
142	AD8	0946	66	117 ± 19	
143	AG1-Rep	0951	60	293 ± 29	replicate
144	AG1	0955	59	236 ± 26	
145	AE4	0959	72	260 ± 26	
146	AE5	1003	116	249 ± 18.0	
147	AF7	1010	70	253 ± 24.0	
148	waste		60	237 ± 26.0	
149	~~AF7~~ AF4	1019	60	414 ± 34.0	

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07/27/05

Signed Date Signed Date

PROJECT Roselle Park Youth BB Site Notebook No. W A# 161

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Niton XL 722S

Run#	ID	time	sec	Pb (ppm)	comments
150	AE6 Dup	1023	61	152 ± 21	duplicate
151	AF6	1027	61	241 ± 27	
152	AF3	1031	61	377 ± 33	
153	#RCRA	1035	65	537 ± 48	STD
154	#RCRA	1055	60	566 ± 51	STD
155	AE8-Rep	1059	61	139 ± 23	replicate
156	AJ2	1103	64	335 ± 29	
157	AF8	1107	64	155 ± 22	
158	AE8	1111	60	122 ± 22	
159	AJ1	1115	65	90.2 ± 18	
160	AD6	1119	60	146 ± 21	
161	AH7 Rep	1123	67	112 ± 19	replicate
162	AA7 Rep	1127	83	132 ± 18	replicate
163	AC7	1133	75	254 ± 24	
164	AH2	1137	61	333 ± 31	
165	AA5	1141	78	71.5 ± 16	
166	AD7	1147	63	112 ± 19.0	
167	AF5 Rep	1151	67	272 ± 28	replicate
168	AE7	1155	63	176 ± 24	
169	#RCRA	1159	61	545 ± 48	STD
170	#RCRA	1228	83	519 ± 41	STD
171	AJ7	1233	91	126 ± 16	
172	AA7	1239	125	128 ± 15	
173	AA10	1247	69	72.4 ± 17	
174	AJ6	1251	94	135 ± 17	
175	AD5	1257	64	97.0 ± 17	
176	AJ4	1301	61	236 ± 26	
177	AH7	1305	84	113 ± 18	
178	AF1	1311	84	194 ± 21	
179	AG5	1316	69	232 ± 25	
180	AG6	1321	89	182 ± 20	
181	WB8	1326	61	969 ± 54	
182	AJ7D	1332	69	133 ± 19	duplicate

Continued on Page 81

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Niton XL 7225

run#	ID	time	sec	Pb (ppb)	comments
183	#RCRA	1337	92		STD
184	AE1	1342	65	113 ± 18	
185	AG7	1346	68	178 ± 22	
186	AF3Dup	1351	66	354 ± 29	duplicate
187	AJ3 rep	1355	76	369 ± 30	replicate
188	AJ3	1400	75	377 ± 28	
189	AE6	1405	70	208 ± 23	

download data as per WA#1

cal shutter check		—	—	359 cV	→ OK
191	AB6Dup	1430	68s	70.2 ± 15.0	
192	AF2	1434	69	181 ± 21	
193	AA6	1438	94	96.5 ± 15	
194	AB10	1444	72	85.0 ± 16.0	
195	#SiO_2	1452	75	<12.0	
196	#RCRA		196	516 ± 27	
197	#2709	1507	307	15.1 ± 6.2	
198	#2710		85	5360 ± 130	
199	#2711	1530	73	1050 ± 49.0	
200	#RCRA	1534	98	521 ± 36.0	
201	#RCRA	1540	82	545 ± 41.0	
202	#2709	1545	~~<15~~ 30s	<15	
203	#2709	1550	~~<20~~ 60s	<20	

END of Field Data 07/27/05

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PROJECT Roselle Park Youth BB

Notebook No. WN#161

Continued From Page 81

Niton XL 722S

Run#	ID	time	sec	Pb (ppm)	comments
cal check		—	—		361 eV → OK
205	#SiO2	1106	66	<20	not ID cal
207	#2709	1110	60	<21	(run #206 ?) (*)
208	#2710	1114	61	5250 ± 150	
210 ~~209~~	#2711	1120	61	1030 ± 52	(run #208 ?)
212	#RCRA	1125	60	504 ± 46	(run #211 ?)
213				494 ± 45	STDS
214				500.4 ± 45	
215				(SPK) ~~500 ± 45~~	(Junk)
216	#RCRA	1213	60	517 ± 46	STD
217	#RCRA	1352	60	504 ± 46	STD
218	PW6	1356	60	143 ± 19	
219	PW8	1400	61	68.9 ± 17.0	
220	PW6 Dup Rep	1404	61	179 ± 22	replicate ~~duplicate~~ (SPK)
221	PW5	1408	61	86.9 ± 19	
222	WX6	1417	60	522 ± 36	
223	Fill	1421	60	20.3 ± 11.0	
224	WX16	1426	60	1230 ± 61	
225	PW4	1431	60	94.2 ± 17.0	
227	WX14	1435	60	490 ± 35	(run #226 ??)
228	PW3	1440	60	61.9 ± 17.0	
230	RR10	1445	60	162 ± 30	(run #229 ??)
231	PW7	1449	60	93.5 ± 19.0	
232	WX9	1454	61	243 ± 26.0	
233	WX3	1459	60	482 ± 38.0	
234	#RCRA	1503	60	508 ± 49.0	STD
235	RR4	1508	60	254 ± 29.0	
236	WX8	1512	61	1130 ± 59.0	
238	RR5	1516	60	264 ± 39	(run 237 ??)
239	RR1 Dup	1521	60	111 ± 17	duplicate
240	RR2	1524	60	296 ± 30	
241	WX4	1529	61	706 ± 44	
243	WX15	1535	60	1350 ± 67	(run #242 ??)
244	PW2 Rep	1544	61	60.9 ± 18.0	replicate

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Run#	ID	time	sec	Pb(ppm)	comments
246	PW2	1550	61	66.7 ± 18.0	(run #241-22)
247	RRB	1555	61	208 ± 27	
248	WX5	1601	60	2970 ± 120	
249	RR1	1605	60	119 ± 21.0	
250	#SiO2	1609	61	<20	not in (STD)
251	#2709	1614	61	20.2 ± 13.0	
252	#2710	1618	61	5250 ± 150	
253	#2711	1622	60	1010 ± 52.0	
254	#RCRA	1626	60	519 ± 46	
255	#RCRA	1631	60	535 ± 47.0	
	EOD	07/28/05			

07/29/05 Niton XL 722S

run#	ID	time	sec	Pb(ppm)	comments
256	cal check	0807	—	361 eV → OK	
257	#SiO2	0814	75	<20	not in (STD)
258	#2709	0820	75	<18	STD
259	#2710	0824	69	5390 ± 150	
260	#2711	0828	68	1030 ± 49.0	
261	#RCRA	0832	61	542 ± 47.0	
262	#RCRA	0836	60	499 ± 46.0	
263	#RCRA	0842	109	523 ± 35.0	
264	WX7	0847	133	772 ± 30.0	
265	WX11	0855	70	296 ± 26.0	
266	WX13	0859	110	378 ± 24.0	
267	RR3	0906	74	188 ± 21	
268	PW4-Dup	0911	60	109 ± 18.0	duplicate
269	PW1	0914	60	68.4 ± 18.0	
270	WX12	0918	60	327 ± 29.0	
271	RR8-Dup	0922	64	189 ± 26	duplicate
272	RR6	0927	60	246 ± 34.0	
273	WX5-Dup	0930	60	2810 ± 120	duplicate
274	RR9	0935	60	66.1 ± 18.0	

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PROJECT Roselle Park Youth BB Site Notebook No. WA#161
Continued From Page 83

Niton XL 722S

run #	ID	time	sec	Pb (ppm)	Comments
275	#RCRA	0938	64	502 ± 45	STD
276	WX2-Dup	0943	61	683 ± 44.0	, duplicate
277	WX8-Rep	0947	64	1410 ± 66.0	replicate
278	WX10	0951	61	552 ± 40	
279	WX1	0955	67	174 ± 22.0	
280	RR7	0959	60	144 ± 24.0	
281	WX2	1003	60	608 ± 38.0	
282	#SiO2	1007	75	<12.0	
283	#2709	1012	61	31.8 ± 14.0	
284	#2710	1016	60	5740 ± 170	
285	#2711	1020	88	1050 ± 45.0	
286	#RCRA	1026	83	543 ± 41.5	
287	#RCRA	1031	74	498 ± 42.0	
288	#RCRA	1035	61	511 ± 46.0	

EOD 07/29/05

Continued on Page

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Appendix C
Statistical Output for Simple Linear Regression Analysis
Technical Memorandum
Niton XL 700 XRF Field Screening Results
Roselle Park Youth Baseball League Site
February 2006

Linear Regression Analysis
Niton Field Screening Results for Lead Compared to Laboratory Analysis
Roselle Park Youth Baseball League Site, W.A. 0-161

The REG Procedure
Model: MODEL1
Dependent Variable: lab_pb Lab Lead (mg/kg)

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	25311859	25311859	462.48	<.0001
Error	46	2517616	54731		
Corrected Total	47	27829475			

Root MSE	233.94613	R-Square	0.9095
Dependent Mean	856.60417	Adj R-Sq	0.9076
Coeff Var	27.31088		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	40.81421	50.78619	0.80	0.4257
xrf_pb	XRF Lead (mg/kg)	1	1.20279	0.05593	21.51	<.0001

Linear Regression Analysis
Niton Field Screening Results for Lead Compared to Laboratory Analysis
Roselle Park Youth Baseball League Site, W.A. 0-161

The REG Procedure
Model: MODEL1
Dependent Variable: lab_pb Lab Lead (mg/kg)

Output Statistics

Obs	Dependent Variable	Predicted Value	Std Error Mean Predict	95% CL Mean		95% CL Predict		Residual	Std Error Residual	Student Residual
1	87.0000	127.4148	47.8533	31.0912	223.7385	-353.2448	608.0744	-40.4148	229.0	-0.176
2	100.0000	143.0511	47.3409	47.7589	238.3433	-337.4029	623.5050	-43.0511	229.1	-0.188
3	110.0000	153.8761	46.9894	59.2913	248.4609	-326.4380	634.1903	-43.8761	229.2	-0.191
4	120.0000	187.5542	45.9142	95.1337	279.9746	-292.3385	667.4468	-67.5542	229.4	-0.294
5	130.0000	183.9458	46.0280	91.2962	276.5954	-295.9910	663.8826	-53.9458	229.4	-0.235
6	140.0000	174.3235	46.3333	81.0595	267.5875	-305.7323	654.3793	-34.3235	229.3	-0.150
7	150.0000	290.9938	42.8014	204.8390	377.1487	-187.7317	769.7193	-140.9938	230.0	-0.613
8	220.0000	318.6579	42.0232	234.0695	403.2463	-159.7881	797.1039	-98.6579	230.1	-0.429
9	220.0000	297.0077	42.6302	211.1976	382.8178	-181.6558	775.6713	-77.0077	230.0	-0.335
10	240.0000	319.8607	41.9900	235.3393	404.3821	-158.5735	798.2949	-79.8607	230.1	-0.347
11	240.0000	358.3498	40.9515	275.9188	440.7808	-119.7195	836.4192	-118.3498	230.3	-0.514
12	250.0000	393.2307	40.0561	312.6018	473.8595	-84.5312	870.9925	-143.2307	230.5	-0.621
13	270.0000	411.2725	39.6112	331.5393	491.0056	-66.3391	888.8840	-141.2725	230.6	-0.613
14	300.0000	381.2028	40.3597	299.9628	462.4428	-96.6626	859.0682	-81.2028	230.4	-0.352
15	310.0000	324.6718	41.8574	240.4173	408.9264	-153.7153	803.0589	-14.6718	230.2	-0.0637
16	340.0000	328.2802	41.7584	244.2248	412.3356	-150.0719	806.6323	11.7198	230.2	0.0509
17	350.0000	466.6006	38.3290	389.4484	543.7529	-10.5868	943.7881	-116.6006	230.8	-0.505
18	360.0000	514.7121	37.3225	439.5857	589.8385	37.8480	991.5762	-154.7121	230.9	-0.670
19	370.0000	446.1533	38.7879	368.0773	524.2292	-31.1844	923.4910	-76.1533	230.7	-0.330
20	420.0000	434.1254	39.0661	355.4894	512.7614	-43.3042	911.5550	-14.1254	230.7	-0.0612
21	450.0000	494.2647	37.7373	418.3034	570.2261	17.2684	971.2611	-44.2647	230.9	-0.192
22	630.0000	588.0821	36.0018	515.6141	660.5500	111.6295	1065	41.9179	231.2	0.181
23	640.0000	704.7524	34.4976	635.3123	774.1924	228.7510	1181	-64.7524	231.4	-0.280
24	760.0000	772.1084	33.9950	703.6800	840.5369	296.2535	1248	-12.1084	231.5	-0.0523
25	790.0000	862.3174	33.7683	794.3454	930.2894	386.5280	1338	-72.3174	231.5	-0.312
26	800.0000	799.7725	33.8705	731.5948	867.9502	323.9536	1276	0.2275	231.5	0.00098
27	830.0000	991.0156	34.3408	921.8912	1060	515.0601	1467	-161.0156	231.4	-0.696
28	870.0000	1096	35.5498	1024	1167	619.3430	1572	-225.6580	231.2	-0.976

Linear Regression Analysis
Niton Field Screening Results for Lead Compared to Laboratory Analysis
Roselle Park Youth Baseball League Site, W.A. 0-161

The REG Procedure
Model: MODEL1
Dependent Variable: lab_pb Lab Lead (mg/kg)

Output Statistics

Obs	-2-1 0 1 2	Cook's D
1		0.001
2		0.001
3		0.001
4		0.002
5		0.001
6		0.000
7	*	0.007
8		0.003
9		0.002
10		0.002
11	*	0.004
12	*	0.006
13	*	0.006
14		0.002
15		0.000
16		0.000
17	*	0.004
18	*	0.006
19		0.002
20		0.000
21		0.000
22		0.000
23		0.001
24		0.000
25		0.001
26		0.000
27	*	0.005
28	*	0.011

Linear Regression Analysis
Niton Field Screening Results for Lead Compared to Laboratory Analysis
Roselle Park Youth Baseball League Site, W.A. 0-161

The REG Procedure
Model: MODEL1
Dependent Variable: lab_pb Lab Lead (mg/kg)

Output Statistics

Obs	Dependent Variable	Predicted Value	Std Error Mean Predict	95% CL Mean		95% CL Predict		Residual	Std Error Residual	Student Residual
29	920.0000	832.2477	33.7862	764.2396	900.2558	356.4531	1308	87.7523	231.5	0.379
30	1000	212.8127	45.1266	121.9775	303.6478	-266.7772	692.4025	787.1873	229.6	3.429
31	1000	865.9258	33.7700	797.9503	933.9012	390.1358	1342	134.0742	231.5	0.579
32	1000	1100	35.6204	1029	1172	624.1328	1577	-100.4691	231.2	-0.435
33	1100	751.6610	34.1180	682.9851	820.3370	275.7705	1228	348.3390	231.4	1.505
34	1100	1268	38.8017	1190	1346	790.3142	1745	-167.6565	230.7	-0.727
35	1100	1244	38.2630	1167	1321	766.4347	1721	-143.6007	230.8	-0.622
36	1200	974.1765	34.2069	905.3216	1043	498.2601	1450	225.8235	231.4	0.976
37	1200	647.0186	35.1455	576.2744	717.7628	170.8252	1123	552.9814	231.3	2.391
38	1200	1224	37.8504	1148	1301	747.3235	1701	-24.3561	230.9	-0.106
39	1300	1328	40.2529	1247	1409	849.9669	1806	-27.7958	230.5	-0.121
40	1300	1520	45.7440	1428	1612	1040	2000	-220.2416	229.4	-0.960
41	1400	1400	42.1735	1315	1485	921.4634	1878	0.0370	230.1	0.00016
42	1600	1206	37.4788	1131	1282	729.4006	1683	393.6857	230.9	1.705
43	1600	1604	48.4714	1507	1702	1124	2085	-4.4367	228.9	-0.0194
44	1600	1845	57.0313	1730	1960	1360	2330	-244.9940	226.9	-1.080
45	1600	1665	50.5152	1563	1766	1183	2146	-64.5760	228.4	-0.283
46	2600	2036	64.4134	1907	2166	1548	2525	563.7629	224.9	2.507
47	3100	3613	132.5501	3346	3880	3072	4154	-513.0902	192.8	-2.662
48	3700	3216	114.7986	2985	3447	2692	3741	483.8294	203.8	2.374

Linear Regression Analysis
Niton Field Screening Results for Lead Compared to Laboratory Analysis
Roselle Park Youth Baseball League Site, W.A. 0-161

The REG Procedure
Model: MODEL1
Dependent Variable: lab_pb Lab Lead (mg/kg)

Output Statistics

Obs	-2-1 0 1 2	Cook's D
29		0.002
30	******	0.227
31	*	0.004
32		0.002
33	***	0.025
34	*	0.007
35	*	0.005
36	*	0.010
37	****	0.066
38		0.000
39		0.000
40	*	0.018
41		0.000
42	***	0.038
43		0.000
44	**	0.037
45		0.002
46	*****	0.258
47	*****	1.675
48	****	0.893

Sum of Residuals	0
Sum of Squared Residuals	2517616
Predicted Residual SS (PRESS)	3161735

Appendix G

APPENDIX G

Surface Soil Laboratory Data Report
Target Analyte List Metals
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2

DATE: SEP 30 2005

SUBJECT: Roselle Park

FROM: John Birri, Special Projects Coordinator
Laboratory Branch, DESA

TO: David Rosoff, Removal Action Branch
Emergency & Remedial Response Division

Attached are the results of the Roselle Park sampling survey. Any correspondence concerning these results should refer to our internal project number, 05070060 to uniquely identify the data. Please refer to the first page of the report for a description of any remark codes used as data qualifiers. It should be noted that all data are considered EPA-validated.

Also, we would appreciate your completion and return of the attached Customer Service survey (postcard). This will help us to evaluate and improve the responsiveness of our laboratory to your needs.

If you have any questions you can contact me by phone at (732) 906-6886, by fax at (732) 906-6165 or via the LAN.

Attachment

SAMPLE KEY

Station ID	Sample Location
0-0161-0001	W-J4
0-0161-0002	W-J2
0-0161-0003	W-H8
0-0161-0004	W-H7
0-0161-0005	W-H6
0-0161-0006	W-H5
0-0161-0007	W-H3
0-0161-0008	W-H2
0-0161-0009	W-G9
0-0161-0010	W-G6
0-0161-0011	W-G5
0-0161-0012	W-G2
0-0161-0013	W-F9
0-0161-0014	W-E9
0-0161-0015	W-E5 Dup
0-0161-0016	W-E6
0-0161-0017	W-E5
0-0161-0018	W-C8
0-0161-0019	W-G6 Dup
0-0161-0020	W-C6
0-0161-0021	W-B8
0-0161-0022	W-A7 Dup
0-0161-0023	W-A7
0-0161-0024	W-F4
0-0161-0025	W-F3
0-0161-0026	A-J5
0-0161-0027	A-J3
0-0161-0028	A-H5
0-0161-0029	A-G5
0-0161-0030	A-G1
0-0161-0031	A-F3 Dup
0-0161-0032	A-F3
0-0161-0033	A-E8
0-0161-0034	A-B10
0-0161-0035	A-A10
0-161-0001	PW4
0-161-0002	PW6
0-161-0003	RR1
0-161-0004	RR1 Dup
0-161-0005	RR5
0-161-0006	RR8
0-161-0007	WX10
0-161-0008	WX12
0-161-0009	WX15
0-161-0010	WX16
0-161-0011	WX2
0-161-0012	WX2 Dup
0-161-0013	WX5
0-161-0014	WX8

Case Narrative:
Roselle Park #05070060

The Laboratory has met all data quality objectives, e.g., Target Reporting Limits, Accuracy and Precision, established for this project except where noted below.

Comment(s):

None.

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs) for each analyte requested.

Method(s):

TAL Metals Analysis, ESAT-SOP-136 (ICP-AES Method)

Approval: _____ Date: 9-26-05

U.S. Environmental Protection Agency
Region 2 Laboratory

Data Report: ROSELLE PARK

Project Number: 05070060

Program: Y206E

Project Leader: DAVID ROSOFF

Remark Codes	Explanation
U	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.
J	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
UJ	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.
N	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.
NJ	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.
R	THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE.
K	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.
L	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.
NV	NOT VALIDATED
INC	RESULT NOT ENTERED

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03266 Field/Station ID: 0-0161-0001 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	8,900		mg/Kg
007440382	ARSENIC	18		mg/Kg
007440393	BARIUM	580		mg/Kg
007440417	BERYLLIUM	—	0.59U	mg/Kg
007440702	CALCIUM	8,100		mg/Kg
7440-43-9	CADMIUM	1.8		mg/Kg
007440484	COBALT	7.2		mg/Kg
007440473	CHROMIUM	32		mg/Kg
007440508	COPPER	290		mg/Kg
007439896	IRON	41,000		mg/Kg
007440097	POTASSIUM	1,500		mg/Kg
007439954	MAGNESIUM	2,200		mg/Kg
007439965	MANGANESE	500		mg/Kg
007440235	SODIUM	—	590U	mg/Kg
007440020	NICKEL	22		mg/Kg
007439921	LEAD	830		mg/Kg
007440360	ANTIMONY	13		mg/Kg
007782492	SELENIUM	—	4.2U	mg/Kg
007440280	THALLIUM	—	3.0U	mg/Kg
007440622	VANADIUM	25		mg/Kg
007440666	ZINC	1,600		mg/Kg

AG03267 Field/Station ID: 0-0161-0002 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	14,000		mg/Kg
007440382	ARSENIC	17		mg/Kg
007440393	BARIUM	860		mg/Kg
007440417	BERYLLIUM	0.71		mg/Kg
007440702	CALCIUM	3,600		mg/Kg
7440-43-9	CADMIUM	2.2		mg/Kg
007440484	COBALT	20		mg/Kg
007440473	CHROMIUM	47		mg/Kg

Refer to Page 1 for an explanation of Remark Codes

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample I

AG03267 Field/Station ID: 0-0161-0002 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440508	COPPER	250		mg/Kg
007439896	IRON	54,000		mg/Kg
007440097	POTASSIUM	2,600		mg/Kg
007439954	MAGNESIUM	3,000		mg/Kg
007439965	MANGANESE	810		mg/Kg
007440235	SODIUM	780		mg/Kg
007440020	NICKEL	32		mg/Kg
007439921	LEAD	1,100		mg/Kg
007440360	ANTIMONY	250		mg/Kg
007782492	SELENIUM	—	4.3U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	44		mg/Kg
007440666	ZINC	1,800		mg/Kg

AG03268 Field/Station ID: 0-0161-0003 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	1.4		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	12		mg/Kg
007440393	BARIUM	560		mg/Kg
007440417	BERYLLIUM	0.65		mg/Kg
007440702	CALCIUM	5,400		mg/Kg
7440-43-9	CADMIUM	2.3		mg/Kg
007440484	COBALT	9.4		mg/Kg
007440473	CHROMIUM	43		mg/Kg
007440508	COPPER	170		mg/Kg
007439896	IRON	32,000		mg/Kg
007440097	POTASSIUM	2,000		mg/Kg
007439954	MAGNESIUM	2,700		mg/Kg
007439965	MANGANESE	540		mg/Kg

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03268 Field/Station ID: 0-0161-0003 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440235	SODIUM	—	580U	mg/Kg
007440020	NICKEL	30		mg/Kg
007439921	LEAD	1,200		mg/Kg
007440360	ANTIMONY	10		mg/Kg
007782492	SELENIUM	—	4.1U	mg/Kg
007440280	THALLIUM	—	2.9U	mg/Kg
007440622	VANADIUM	42		mg/Kg
007440666	ZINC	1,200		mg/Kg

AG03269 Field/Station ID: 0-0161-0004 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	1.5		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	17		mg/Kg
007440393	BARIUM	840		mg/Kg
007440417	BERYLLIUM	—	0.64U	mg/Kg
007440702	CALCIUM	4,200		mg/Kg
7440-43-9	CADMIUM	2.4		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	59		mg/Kg
007440508	COPPER	280		mg/Kg
007439896	IRON	56,000		mg/Kg
007440097	POTASSIUM	2,200		mg/Kg
007439954	MAGNESIUM	3,460		mg/Kg
007439965	MANGANESE	760		mg/Kg
007440235	SODIUM	—	640U	mg/Kg
007440020	NICKEL	32		mg/Kg
007439921	LEAD	1,300		mg/Kg
007440360	ANTIMONY	17		mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03269 Field/Station ID: 0-0161-0004 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	48		mg/Kg
007440666	ZINC	1,500		mg/Kg

AG03270 Field/Station ID: 0-0161-0005 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.5U	mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	14		mg/Kg
007440393	BARIUM	530		mg/Kg
007440417	BERYLLIUM	—	0.65U	mg/Kg
007440702	CALCIUM	2,900		mg/Kg
7440-43-9	CADMIUM	1.8		mg/Kg
007440484	COBALT	9.1		mg/Kg
007440473	CHROMIUM	42		mg/Kg
007440508	COPPER	170		mg/Kg
007439896	IRON	30,000		mg/Kg
007440097	POTASSIUM	1,800		mg/Kg
007439954	MAGNESIUM	3,100		mg/Kg
007439965	MANGANESE	670		mg/Kg
007440235	SODIUM	—	650U	mg/Kg
007440020	NICKEL	24		mg/Kg
007439921	LEAD	870		mg/Kg
007440360	ANTIMONY	—	7.7U	mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	40		mg/Kg
007440666	ZINC	850		mg/Kg

Refer to Page 1 for an explanation of Remark Codes

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03271 Field/Station ID: 0-0161-0006 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	1.3		mg/Kg
007429905	ALUMINUM	16,000		mg/Kg
007440382	ARSENIC	20		mg/Kg
007440393	BARIUM	1,300		mg/Kg
007440417	BERYLLIUM	0.68		mg/Kg
007440702	CALCIUM	6,100		mg/Kg
7440-43-9	CADMIUM	2.4		mg/Kg
007440484	COBALT	13		mg/Kg
007440473	CHROMIUM	62		mg/Kg
007440508	COPPER	280		mg/Kg
007439896	IRON	72,000		mg/Kg
007440097	POTASSIUM	2,800		mg/Kg
007439954	MAGNESIUM	3,600		mg/Kg
007439965	MANGANESE	1,000		mg/Kg
007440235	SODIUM	—	640U	mg/Kg
007440020	NICKEL	44		mg/Kg
007439921	LEAD	1,600		mg/Kg
007440360	ANTIMONY	18		mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	52		mg/Kg
007440666	ZINC	2,400		mg/Kg

AG03272 Field/Station ID: 0-0161-0007 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	14,000		mg/Kg
007440382	ARSENIC	13		mg/Kg
007440393	BARIUM	830		mg/Kg
007440417	BERYLLIUM	0.71		mg/Kg
007440702	CALCIUM	3,800		mg/Kg
7440-43-9	CADMIUM	1.8		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03272 Field/Station ID: 0-0161-0007 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	37		mg/Kg
007440508	COPPER	150		mg/Kg
007439896	IRON	37,000		mg/Kg
007440097	POTASSIUM	2,300		mg/Kg
007439954	MAGNESIUM	3,500		mg/Kg
007439965	MANGANESE	890		mg/Kg
007440235	SODIUM	—	830U	mg/Kg
007440020	NICKEL	28		mg/Kg
007439921	LEAD	920		mg/Kg
007440360	ANTIMONY	9.4		mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	42		mg/Kg
007440666	ZINC	1,500		mg/Kg

AG03273 Field/Station ID: 0-0161-0008 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	19		mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	16		mg/Kg
007440393	BARIUM	1,200		mg/Kg
007440417	BERYLLIUM	0.89		mg/Kg
007440702	CALCIUM	4,400		mg/Kg
7440-43-9	CADMIUM	2.4		mg/Kg
007440484	COBALT	12		mg/Kg
007440473	CHROMIUM	57		mg/Kg
007440508	COPPER	250		mg/Kg
007439896	IRON	45,000		mg/Kg
007440097	POTASSIUM	2,400		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03273 Field/Station ID: 0-0161-0008 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439954	MAGNESIUM	3,000		mg/Kg
007439965	MANGANESE	1,500		mg/Kg
007440235	SODIUM	—	650U	mg/Kg
007440020	NICKEL	40		mg/Kg
007439921	LEAD	1,600		mg/Kg
007440360	ANTIMONY	19		mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	47		mg/Kg
007440666	ZINC	2,100		mg/Kg

AG03274 Field/Station ID: 0-0161-0009 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	1.9		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	7.0		mg/Kg
007440393	BARIUM	270		mg/Kg
007440417	BERYLLIUM	0.58		mg/Kg
007440702	CALCIUM	4,800		mg/Kg
7440-43-9	CADMIUM	1.7		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	41		mg/Kg
007440508	COPPER	140		mg/Kg
007439896	IRON	35,000		mg/Kg
007440097	POTASSIUM	1,600		mg/Kg
007439954	MAGNESIUM	2,500		mg/Kg
007439965	MANGANESE	520		mg/Kg
007440235	SODIUM	—	560U	mg/Kg
007440020	NICKEL	25		mg/Kg
007439921	LEAD	630		mg/Kg

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AG03274 Field/Station ID: 0-0161-0009 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440360	ANTIMONY	8.8		mg/Kg
007782492	SELENIUM	—	3.9U	mg/Kg
007440280	THALLIUM	—	2.8U	mg/Kg
007440622	VANADIUM	45		mg/Kg
007440666	ZINC	590		mg/Kg

AG03275 Field/Station ID: 0-0161-0010 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	14,000		mg/Kg
007440382	ARSENIC	27		mg/Kg
007440393	BARIUM	720		mg/Kg
007440417	BERYLLIUM	0.73		mg/Kg
007440702	CALCIUM	3,500		mg/Kg
7440-43-9	CADMIUM	1.6		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	44		mg/Kg
007440508	COPPER	170		mg/Kg
007439896	IRON	40,000		mg/Kg
007440097	POTASSIUM	2,400		mg/Kg
007439954	MAGNESIUM	3,500		mg/Kg
007439965	MANGANESE	890		mg/Kg
007440235	SODIUM	—	660U	mg/Kg
007440020	NICKEL	29		mg/Kg
007439921	LEAD	1,000		mg/Kg
007440360	ANTIMONY	12		mg/Kg
007782492	SELENIUM	—	4.6U	mg/Kg
007440280	THALLIUM	—	3.3U	mg/Kg
007440622	VANADIUM	42		mg/Kg
007440666	ZINC	1,200		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03276 Field/Station ID: 0-0161-0011 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	19		mg/Kg
007440393	BARIUM	860		mg/Kg
007440417	BERYLLIUM	—	0.65U	mg/Kg
007440702	CALCIUM	2,700		mg/Kg
7440-43-9	CADMIUM	1.3		mg/Kg
007440484	COBALT	9.4		mg/Kg
007440473	CHROMIUM	42		mg/Kg
007440508	COPPER	120		mg/Kg
007439896	IRON	31,000		mg/Kg
007440097	POTASSIUM	2,000		mg/Kg
007439954	MAGNESIUM	3,400		mg/Kg
007439965	MANGANESE	620		mg/Kg
007440235	SODIUM	—	650U	mg/Kg
007440020	NICKEL	25		mg/Kg
007439921	LEAD	800		mg/Kg
007440360	ANTIMONY	9.1		mg/Kg
007782492	SELENIUM	—	4.8U	mg/Kg
007440280	THALLIUM	—	3.3U	mg/Kg
007440622	VANADIUM	38		mg/Kg
007440666	ZINC	1,300		mg/Kg

AG03277 Field/Station ID: 0-0161-0012 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	1.3		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	14		mg/Kg
007440393	BARIUM	1,000		mg/Kg
007440417	BERYLLIUM	0.63		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample I

AG03277 Field/Station ID: 0-0161-0012 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440702	CALCIUM	5,100		mg/Kg
7440-43-9	CADMIUM	2.6		mg/Kg
007440484	COBALT	12		mg/Kg
007440473	CHROMIUM	38		mg/Kg
007440508	COPPER	210		mg/Kg
007439896	IRON	43,000		mg/Kg
007440097	POTASSIUM	2,300		mg/Kg
007439954	MAGNESIUM	2,800		mg/Kg
007439965	MANGANESE	740		mg/Kg
007440235	SODIUM	--	820U	mg/Kg
007440020	NICKEL	32		mg/Kg
007439921	LEAD	1,100		mg/Kg
007440360	ANTIMONY	15		mg/Kg
007782492	SELENIUM	--	4.3U	mg/Kg
007440280	THALLIUM	--	3.1U	mg/Kg
007440622	VANADIUM	43		mg/Kg
007440666	ZINC	1,900		mg/Kg

AG03278 Field/Station ID: 0-0161-0013 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	--	1.1U	mg/Kg
007429905	ALUMINUM	8,100		mg/Kg
007440382	ARSENIC	8.2		mg/Kg
007440393	BARIUM	460		mg/Kg
007440417	BERYLLIUM	--	0.53U	mg/Kg
007440702	CALCIUM	5,200		mg/Kg
7440-43-9	CADMIUM	0.96		mg/Kg
007440484	COBALT	7.2		mg/Kg
007440473	CHROMIUM	28		mg/Kg
007440508	COPPER	79		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03278 Field/Station ID: 0-0161-0013 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439896	IRON	20,000		mg/Kg
007440097	POTASSIUM	1,600		mg/Kg
007439954	MAGNESIUM	3,000		mg/Kg
007439965	MANGANESE	500		mg/Kg
007440235	SODIUM	—	530U	mg/Kg
007440020	NICKEL	21		mg/Kg
007439921	LEAD	3,700		mg/Kg
007440360	ANTIMONY	—	6.3U	mg/Kg
007782492	SELENIUM	—	3.7U	mg/Kg
007440280	THALLIUM	—	2.6U	mg/Kg
007440622	VANADIUM	29		mg/Kg
007440666	ZINC	740		mg/Kg

AG03279 Field/Station ID: 0-0161-0014 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	16		mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	17		mg/Kg
007440393	BARIUM	1,600		mg/Kg
007440417	BERYLLIUM	14		mg/Kg
007440702	CALCIUM	9,300		mg/Kg
7440-43-9	CADMIUM	1.3		mg/Kg
007440484	COBALT	21		mg/Kg
007440473	CHROMIUM	43		mg/Kg
007440508	COPPER	460		mg/Kg
007439896	IRON	53,000		mg/Kg
007440097	POTASSIUM	2,600		mg/Kg
007439954	MAGNESIUM	3,100		mg/Kg
007439965	MANGANESE	510		mg/Kg
007440235	SODIUM	—	580U	mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample I

AG03279 Field/Station ID: 0-0161-0014 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440020	NICKEL	80		mg/Kg
007439921	LEAD	2,600		mg/Kg
007440360	ANTIMONY	22		mg/Kg
007782492	SELENIUM	—	4.0U	mg/Kg
007440280	THALLIUM	—	2.9U	mg/Kg
007440622	VANADIUM	47		mg/Kg
007440666	ZINC	1,500		mg/Kg

AG03280 Field/Station ID: 0-0161-0015 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	11		mg/Kg
007440393	BARIUM	160		mg/Kg
007440417	BERYLLIUM	—	0.64U	mg/Kg
007440702	CALCIUM	2,100		mg/Kg
7440-43-9	CADMIUM	0.78		mg/Kg
007440484	COBALT	8.6		mg/Kg
007440473	CHROMIUM	30		mg/Kg
007440508	COPPER	76		mg/Kg
007439896	IRON	21,000		mg/Kg
007440097	POTASSIUM	2,100		mg/Kg
007439954	MAGNESIUM	3,800		mg/Kg
007439965	MANGANESE	480		mg/Kg
007440235	SODIUM	—	640U	mg/Kg
007440020	NICKEL	20		mg/Kg
007439921	LEAD	220		mg/Kg
007440360	ANTIMONY	—	7.7U	mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03280 Field/Station ID: 0-0161-0015 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440622	VANADIUM	35		mg/Kg
007440666	ZINC	250		mg/Kg

AG03281 Field/Station ID: 0-0161-0016 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	9.5		mg/Kg
007440393	BARIUM	210		mg/Kg
007440417	BERYLLIUM	0.62		mg/Kg
007440702	CALCIUM	2,200		mg/Kg
7440-43-9	CADMIUM	0.71		mg/Kg
007440484	COBALT	8.7		mg/Kg
007440473	CHROMIUM	40		mg/Kg
007440508	COPPER	79		mg/Kg
007439896	IRON	22,000		mg/Kg
007440097	POTASSIUM	2,200		mg/Kg
007439954	MAGNESIUM	3,900		mg/Kg
007439965	MANGANESE	450		mg/Kg
007440235	SODIUM	—	600U	mg/Kg
007440020	NICKEL	20		mg/Kg
007439921	LEAD	270		mg/Kg
007440360	ANTIMONY	—	7.2U	mg/Kg
007782492	SELENIUM	—	4.2U	mg/Kg
007440280	THALLIUM	—	3.0U	mg/Kg
007440622	VANADIUM	35		mg/Kg
007440666	ZINC	340		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03282 Field/Station ID: 0-0161-0017 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.4U	mg/Kg
007429905	ALUMINUM	16,000		mg/Kg
007440382	ARSENIC	11		mg/Kg
007440393	BARIUM	290		mg/Kg
007440417	BERYLLIUM	0.76		mg/Kg
007440702	CALCIUM	3,200		mg/Kg
7440-43-9	CADMIUM	0.76		mg/Kg
007440484	COBALT	10		mg/Kg
007440473	CHROMIUM	37		mg/Kg
007440508	COPPER	89		mg/Kg
007439896	IRON	25,000		mg/Kg
007440097	POTASSIUM	2,800		mg/Kg
007439954	MAGNESIUM	6500		mg/Kg
007439965	MANGANESE	540		mg/Kg
007440236	SODIUM	—	680U	mg/Kg
007440020	NICKEL	26		mg/Kg
007439921	LEAD	340		mg/Kg
007440360	ANTIMONY	—	8.2U	mg/Kg
007782492	SELENIUM	—	4.8U	mg/Kg
007440280	THALLIUM	—	3.4U	mg/Kg
007440622	VANADIUM	43		mg/Kg
007440666	ZINC	340		mg/Kg

AG03283 Field/Station ID: 0-0161-0018 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	2.3		mg/Kg
007429905	ALUMINUM	15,000		mg/Kg
007440382	ARSENIC	19		mg/Kg
007440393	BARIUM	960		mg/Kg
007440417	BERYLLIUM	1.0		mg/Kg
007440702	CALCIUM	3,800		mg/Kg
7440-43-9	CADMIUM	1.2		mg/Kg
007440484	COBALT	16		mg/Kg

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AG03283 Field/Station ID: 0-0161-0018 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440473	CHROMIUM	53		mg/Kg
007440508	COPPER	170		mg/Kg
007439896	IRON	33,000		mg/Kg
007440097	POTASSIUM	2,400		mg/Kg
007439954	MAGNESIUM	3,600		mg/Kg
007439965	MANGANESE	1,200		mg/Kg
007440235	SODIUM	—	620U	mg/Kg
007440020	NICKEL	38		mg/Kg
007439921	LEAD	1,000		mg/Kg
007440360	ANTIMONY	13		mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	51		mg/Kg
007440666	ZINC	830		mg/Kg

AG03284 Field/Station ID: 0-0161-0019 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	15,000		mg/Kg
007440382	ARSENIC	25		mg/Kg
007440393	BARIUM	590		mg/Kg
007440417	BERYLLIUM	0.71		mg/Kg
007440702	CALCIUM	3,100		mg/Kg
7440-43-9	CADMIUM	1.8		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	46		mg/Kg
007440508	COPPER	170		mg/Kg
007439896	IRON	41,000		mg/Kg
007440097	POTASSIUM	2,400		mg/Kg
007439954	MAGNESIUM	3,600		mg/Kg

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AG03284 Field/Station ID: 0-0161-0019 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439965	MANGANESE	700		mg/Kg
007440235	SODIUM	—	660U	mg/Kg
007440020	NICKEL	30		mg/Kg
007439921	LEAD	970		mg/Kg
007440360	ANTIMONY	12		mg/Kg
007782492	SELENIUM	—	4.6U	mg/Kg
007440280	THALLIUM	—	3.3U	mg/Kg
007440622	VANADIUM	44		mg/Kg
007440666	ZINC	1,200		mg/Kg

AG03285 Field/Station ID: 0-0161-0020 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	15,000		mg/Kg
007440382	ARSENIC	8.7		mg/Kg
007440393	BARIUM	170		mg/Kg
007440417	BERYLLIUM	0.72		mg/Kg
007440702	CALCIUM	2,700		mg/Kg
7440-43-9	CADMIUM	—	0.64U	mg/Kg
007440484	COBALT	9.6		mg/Kg
007440473	CHROMIUM	30		mg/Kg
007440508	COPPER	59		mg/Kg
007439896	IRON	26,000		mg/Kg
007440097	POTASSIUM	3,100		mg/Kg
007439954	MAGNESIUM	4,700		mg/Kg
007439965	MANGANESE	510		mg/Kg
007440235	SODIUM	—	640U	mg/Kg
007440020	NICKEL	22		mg/Kg
007439921	LEAD	250		mg/Kg
007440360	ANTIMONY	—	7.7U	mg/Kg

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AG03285 Field/Station ID: 0-0161-0020 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	38		mg/Kg
007440666	ZINC	270		mg/Kg

AG03286 Field/Station ID: 0-0161-0021 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	2.7		mg/Kg
007429905	ALUMINUM	15,000		mg/Kg
007440382	ARSENIC	24		mg/Kg
007440393	BARIUM	1,200		mg/Kg
007440417	BERYLLIUM	0.99		mg/Kg
007440702	CALCIUM	5,100		mg/Kg
7440-43-9	CADMIUM	1.6		mg/Kg
007440484	COBALT	15		mg/Kg
007440473	CHROMIUM	47		mg/Kg
007440508	COPPER	270		mg/Kg
007439896	IRON	46,000		mg/Kg
007440097	POTASSIUM	2,900		mg/Kg
007439954	MAGNESIUM	3,300		mg/Kg
007439965	MANGANESE	750		mg/Kg
007440235	SODIUM	—	590U	mg/Kg
007440020	NICKEL	52		mg/Kg
007439921	LEAD	1,600		mg/Kg
007440360	ANTIMONY	19		mg/Kg
007782492	SELENIUM	—	4.1U	mg/Kg
007440280	THALLIUM	—	2.9U	mg/Kg
007440622	VANADIUM	49		mg/Kg
007440666	ZINC	1,400		mg/Kg

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AG03287 Field/Station ID: 0-0161-0022 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	2.1		mg/Kg
007429905	ALUMINUM	16,000		mg/Kg
007440382	ARSENIC	13		mg/Kg
007440393	BARIUM	740		mg/Kg
007440417	BERYLLIUM	0.92		mg/Kg
007440702	CALCIUM	10,000		mg/Kg
7440439	CADMIUM	1.3		mg/Kg
007440484	COBALT	12		mg/Kg
007440473	CHROMIUM	41		mg/Kg
007440508	COPPER	180		mg/Kg
007439896	IRON	35,000		mg/Kg
007440097	POTASSIUM	2,700		mg/Kg
007439954	MAGNESIUM	5,100		mg/Kg
007439965	MANGANESE	620		mg/Kg
007440235	SODIUM	77	540U	mg/Kg
007440020	NICKEL	35		mg/Kg
007439921	LEAD	1,200		mg/Kg
007440360	ANTIMONY	13		mg/Kg
007782492	SELENIUM	--	3.8U	mg/Kg
007440280	THALLIUM	--	2.7U	mg/Kg
007440622	VANADIUM	40		mg/Kg
007440666	ZINC	860		mg/Kg

AG03288 Field/Station ID: 0-0161-0023 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	3.3		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	15		mg/Kg
007440393	BARIUM	1,000		mg/Kg
007440417	BERYLLIUM	0.80		mg/Kg
007440702	CALCIUM	14,000		mg/Kg

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AG03288 Field/Station ID: 0-0161-0023 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
7440-43-9	CADMIUM	0.97		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	37		mg/Kg
007440508	COPPER	190		mg/Kg
007439896	IRON	36,000		mg/Kg
007440097	POTASSIUM	2,100		mg/Kg
007439954	MAGNESIUM	4,300		mg/Kg
007439965	MANGANESE	570		mg/Kg
007440235	SODIUM	—	360U	mg/Kg
007440020	NICKEL	39		mg/Kg
007439921	LEAD	1,100		mg/Kg
007440360	ANTIMONY	13		mg/Kg
007782492	SELENIUM	—	3.9U	mg/Kg
007440280	THALLIUM	—	2.8U	mg/Kg
007440622	VANADIUM	39		mg/Kg
007440666	ZINC	880		mg/Kg

AG03289 Field/Station ID: 0-0161-0024 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	15,000		mg/Kg
007440382	ARSENIC	12		mg/Kg
007440393	BARIUM	300		mg/Kg
007440417	BERYLLIUM	0.66		mg/Kg
007440702	CALCIUM	2,500		mg/Kg
7440-43-9	CADMIUM	—	0.65U	mg/Kg
007440484	COBALT	9.1		mg/Kg
007440473	CHROMIUM	32		mg/Kg
007440508	COPPER	80		mg/Kg
007439896	IRON	26,000		mg/Kg

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Project Number: 05070060

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AG03289 Field/Station ID: 0-0161-0024 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440097	POTASSIUM	2,300		mg/Kg
007439954	MAGNESIUM	4,000		mg/Kg
007439965	MANGANESE	530		mg/Kg
007440235	SODIUM	—	650U	mg/Kg
007440020	NICKEL	22		mg/Kg
007439921	LEAD	360		mg/Kg
007440360	ANTIMONY	—	7.7U	mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	38		mg/Kg
007440666	ZINC	520		mg/Kg

AG03290 Field/Station ID: 0-0161-0025 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	2.1		mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	18		mg/Kg
007440393	BARIUM	920		mg/Kg
007440417	BERYLLIUM	1.0		mg/Kg
007440702	CALCIUM	4,800		mg/Kg
7440-43-9	CADMIUM	0.92		mg/Kg
007440484	COBALT	12		mg/Kg
007440473	CHROMIUM	35		mg/Kg
007440508	COPPER	180		mg/Kg
007439896	IRON	39,000		mg/Kg
007440097	POTASSIUM	2,100		mg/Kg
007439954	MAGNESIUM	3,100		mg/Kg
007439965	MANGANESE	630		mg/Kg
007440235	SODIUM	—	660U	mg/Kg
007440020	NICKEL	38		mg/Kg

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AG03290 Field/Station ID: 0-0161-0025 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439921	LEAD	1,200		mg/Kg
007440360	ANTIMONY	14		mg/Kg
007782492	SELENIUM	—	4.0U	mg/Kg
007440280	THALLIUM	—	3.3U	mg/Kg
007440622	VANADIUM	39		mg/Kg
007440666	ZINC	1,200		mg/Kg

AG03291 Field/Station ID: 0-0161-0026 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	9.9		mg/Kg
007440393	BARIUM	130		mg/Kg
007440417	BERYLLIUM	0.67		mg/Kg
007440702	CALCIUM	3,000		mg/Kg
7440-43-9	CADMIUM	—	0.57U	mg/Kg
007440484	COBALT	8.1		mg/Kg
007440473	CHROMIUM	22		mg/Kg
007440508	COPPER	66		mg/Kg
007439896	IRON	20,000		mg/Kg
007440097	POTASSIUM	1,800		mg/Kg
007439954	MAGNESIUM	3,300		mg/Kg
007439965	MANGANESE	480		mg/Kg
007440235	SODIUM	—	570U	mg/Kg
007440020	NICKEL	21		mg/Kg
007439921	LEAD	300		mg/Kg
007440360	ANTIMONY	—	6.8U	mg/Kg
007782492	SELENIUM	—	4.0U	mg/Kg
007440280	THALLIUM	—	2.8U	mg/Kg
007440622	VANADIUM	30		mg/Kg

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AG03291 Field/Station ID: 0-0161-0026 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440666	ZINC	280		mg/Kg

AG03292 Field/Station ID: 0-0161-0027 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	10		mg/Kg
007440393	BARIUM	170		mg/Kg
007440417	BERYLLIUM	1.3		mg/Kg
007440702	CALCIUM	3,100		mg/Kg
7440-43-9	CADMIUM	0.62		mg/Kg
007440484	COBALT	14		mg/Kg
007440473	CHROMIUM	28		mg/Kg
007440508	COPPER	160		mg/Kg
007439896	IRON	25,000		mg/Kg
007440097	POTASSIUM	2,300		mg/Kg
007439954	MAGNESIUM	3,700		mg/Kg
007439965	MANGANESE	380		mg/Kg
007440235	SODIUM	—	590U	mg/Kg
007440020	NICKEL	35		mg/Kg
007439921	LEAD	370		mg/Kg
007440360	ANTIMONY	10		mg/Kg
007782492	SELENIUM	—	4.1U	mg/Kg
007440280	THALLIUM	—	3.0U	mg/Kg
007440622	VANADIUM	34		mg/Kg
007440666	ZINC	580		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03293 Field/Station ID: 0-0161-0028 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	8.5		mg/Kg
007440393	BARIUM	120		mg/Kg
007440417	BERYLLIUM	0.60		mg/Kg
007440702	CALCIUM	2,700		mg/Kg
7440-43-9	CADMIUM	—	0.59U	mg/Kg
007440484	COBALT	8.5		mg/Kg
007440473	CHROMIUM	21		mg/Kg
007440508	COPPER	79		mg/Kg
007439896	IRON	21,000		mg/Kg
007440097	POTASSIUM	1,700		mg/Kg
007439954	MAGNESIUM	3,000		mg/Kg
007439965	MANGANESE	450		mg/Kg
007440235	SODIUM	—	590U	mg/Kg
007440020	NICKEL	20		mg/Kg
007439921	LEAD	220		mg/Kg
007440360	ANTIMONY	—	7.0U	mg/Kg
007782492	SELENIUM	—	4.1U	mg/Kg
007440280	THALLIUM	—	2.9U	mg/Kg
007440622	VANADIUM	30		mg/Kg
007440666	ZINC	260		mg/Kg

AG03294 Field/Station ID: 0-0161-0029 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	10		mg/Kg
007440393	BARIUM	140		mg/Kg
007440417	BERYLLIUM	0.64		mg/Kg

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AG03294 Field/Station ID: 0-0161-0029 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440702	CALCIUM	2,300		mg/Kg
7440-43-9	CADMIUM	—	0.63U	mg/Kg
007440484	COBALT	8.2		mg/Kg
007440473	CHROMIUM	20		mg/Kg
007440508	COPPER	60		mg/Kg
007439896	IRON	21,000		mg/Kg
007440097	POTASSIUM	1,700		mg/Kg
007439954	MAGNESIUM	3,000		mg/Kg
007439965	MANGANESE	390		mg/Kg
007440235	SODIUM	—	630U	mg/Kg
007440020	NICKEL	17		mg/Kg
007439921	LEAD	240		mg/Kg
007440360	ANTIMONY	—	7.6U	mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	28		mg/Kg
007440666	ZINC	360		mg/Kg

AG03295 Field/Station ID: 0-0161-0030 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	12		mg/Kg
007440393	BARIUM	160		mg/Kg
007440417	BERYLLIUM	0.62		mg/Kg
007440702	CALCIUM	8,200		mg/Kg
7440-43-9	CADMIUM	—	0.56U	mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	24		mg/Kg
007440508	COPPER	95		mg/Kg

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AG03295 Field/Station ID: 0-0161-0030 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439896	IRON	22,000		mg/Kg
007440097	POTASSIUM	1,500		mg/Kg
007439954	MAGNESIUM	3,400		mg/Kg
007439965	MANGANESE	300		mg/Kg
007440235	SODIUM	—	560U	mg/Kg
007440020	NICKEL	19		mg/Kg
007439921	LEAD	310		mg/Kg
007440360	ANTIMONY	—	6.8U	mg/Kg
007782492	SELENIUM	—	4.0U	mg/Kg
007440280	THALLIUM	—	2.8U	mg/Kg
007440622	VANADIUM	31		mg/Kg
007440666	ZINC	390		mg/Kg

AG03296 Field/Station ID: 0-0161-0031 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	9.6		mg/Kg
007440393	BARIUM	180		mg/Kg
007440417	BERYLLIUM	—	0.64U	mg/Kg
007440702	CALCIUM	3,100		mg/Kg
7440-43-9	CADMIUM	—	0.64U	mg/Kg
007440484	COBALT	7.3		mg/Kg
007440473	CHROMIUM	23		mg/Kg
007440508	COPPER	90		mg/Kg
007439896	IRON	19,000		mg/Kg
007440097	POTASSIUM	1,600		mg/Kg
007439954	MAGNESIUM	3,000		mg/Kg
007439965	MANGANESE	380		mg/Kg
007440235	SODIUM	—	640U	mg/Kg

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Survey Name: ROSELLE PARK

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AG03296 Field/Station ID: 0-0161-0031 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440020	NICKEL	20		mg/Kg
007439921	LEAD	350		mg/Kg
007440360	ANTIMONY	—	7.6U	mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	30		mg/Kg
007440666	ZINC	310		mg/Kg

AG03297 Field/Station ID: 0-0161-0032 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	11		mg/Kg
007440393	BARIUM	350		mg/Kg
007440417	BERYLLIUM	—	0.63U	mg/Kg
007440702	CALCIUM	4,300		mg/Kg
7440-43-9	CADMIUM	0.69		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	33		mg/Kg
007440508	COPPER	120		mg/Kg
007439896	IRON	22,000		mg/Kg
007440097	POTASSIUM	1,600		mg/Kg
007439954	MAGNESIUM	3,400		mg/Kg
007439965	MANGANESE	330		mg/Kg
007440235	SODIUM	—	640U	mg/Kg
007440020	NICKEL	21		mg/Kg
007439921	LEAD	450		mg/Kg
007440360	ANTIMONY	—	7.6U	mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03297 Field/Station ID: 0-0161-0032 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440622	VANADIUM	34		mg/Kg
007440666	ZINC	380		mg/Kg

AG03298 Field/Station ID: 0-0161-0033 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	14		mg/Kg
007440393	BARIUM	100		mg/Kg
007440417	BERYLLIUM	0.69		mg/Kg
007440702	CALCIUM	2,200		mg/Kg
7440-43-9	CADMIUM	—	0.62U	mg/Kg
007440484	COBALT	7.6		mg/Kg
007440473	CHROMIUM	20		mg/Kg
007440508	COPPER	53		mg/Kg
007439896	IRON	20,000		mg/Kg
007440097	POTASSIUM	2,100		mg/Kg
007439954	MAGNESIUM	2,800		mg/Kg
007439965	MANGANESE	350		mg/Kg
007440235	SODIUM	—	620U	mg/Kg
007440020	NICKEL	15		mg/Kg
007439921	LEAD	120		mg/Kg
007440360	ANTIMONY	—	7.5U	mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	26		mg/Kg
007440666	ZINC	200		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample I

AG03299 Field/Station ID: 0-0161-0034 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	15,000		mg/Kg
007440382	ARSENIC	12		mg/Kg
007440393	BARIUM	98		mg/Kg
007440417	BERYLLIUM	0.76		mg/Kg
007440702	CALCIUM	2,500		mg/Kg
7440-43-9	CADMIUM	—	0.59U	mg/Kg
007440484	COBALT	9.4		mg/Kg
007440473	CHROMIUM	23		mg/Kg
007440508	COPPER	40		mg/Kg
007439896	IRON	22,000		mg/Kg
007440097	POTASSIUM	2,700		mg/Kg
007439954	MAGNESIUM	4,100		mg/Kg
007439965	MANGANESE	470		mg/Kg
007440235	SODIUM	—	590U	mg/Kg
007440020	NICKEL	19		mg/Kg
007439921	LEAD	106		mg/Kg
007440360	ANTIMONY	—	7.1U	mg/Kg
007782492	SELENIUM	—	4.1U	mg/Kg
007440280	THALLIUM	—	3.0U	mg/Kg
007440622	VANADIUM	32		mg/Kg
007440666	ZINC	160		mg/Kg

AG03300 Field/Station ID: 0-0161-0035 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	9.3		mg/Kg
007440393	BARIUM	100		mg/Kg
007440417	BERYLLIUM	0.63		mg/Kg
007440702	CALCIUM	22,000		mg/Kg
7440-43-9	CADMIUM	—	0.61U	mg/Kg
007440484	COBALT	7.7		mg/Kg

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AG03300 Field/Station ID: 0-0161-0035 Date Received: 7/28/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440473	CHROMIUM	21		mg/Kg
007440508	COPPER	40		mg/Kg
007439896	IRON	20,000		mg/Kg
007440097	POTASSIUM	2,100		mg/Kg
007439954	MAGNESIUM	4,800		mg/Kg
007439965	MANGANESE	470		mg/Kg
007440235	SODIUM	—	610U	mg/Kg
007440020	NICKEL	16		mg/Kg
007439921	LEAD	87		mg/Kg
007440360	ANTIMONY	—	7.3U	mg/Kg
007782492	SELENIUM	—	4.3U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	21		mg/Kg
007440666	ZINC	160		mg/Kg

AG03419 Field/Station ID: 0-161-0001 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	10,000		mg/Kg
007440382	ARSENIC	4.5		mg/Kg
007440393	BARIUM	120		mg/Kg
007440417	BERYLLIUM	—	0.53U	mg/Kg
007440702	CALCIUM	18,000		mg/Kg
7440-43-9	CADMIUM	0.57		mg/Kg
007440484	COBALT	11		mg/Kg
007440473	CHROMIUM	15		mg/Kg
007440508	COPPER	81		mg/Kg
007439896	IRON	23,000		mg/Kg
007440097	POTASSIUM	1,500		mg/Kg
007439954	MAGNESIUM	6,900		mg/Kg

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AG03419 Field/Station ID: 0-161-0001 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439965	MANGANESE	520		mg/Kg
007440235	SODIUM	630		mg/Kg
007440020	NICKEL	23		mg/Kg
007439921	LEAD	110		mg/Kg
007440360	ANTIMONY	—	6.4U	mg/Kg
007782492	SELENIUM	—	3.7U	mg/Kg
007440280	THALLIUM	—	2.6U	mg/Kg
007440622	VANADIUM	48		mg/Kg
007440666	ZINC	160		mg/Kg

AG03420 Field/Station ID: 0-161-0002 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.0U	mg/Kg
007429905	ALUMINUM	8,500		mg/Kg
007440382	ARSENIC	32		mg/Kg
007440393	BARIUM	120		mg/Kg
007440417	BERYLLIUM	—	0.52U	mg/Kg
007440702	CALCIUM	12,000		mg/Kg
7440-43-9	CADMIUM	0.82		mg/Kg
007440484	COBALT	9.5		mg/Kg
007440473	CHROMIUM	17		mg/Kg
007440508	COPPER	89		mg/Kg
007439896	IRON	19,000		mg/Kg
007440097	POTASSIUM	1,500		mg/Kg
007439954	MAGNESIUM	5,500		mg/Kg
007439965	MANGANESE	390		mg/Kg
007440235	SODIUM	550		mg/Kg
007440020	NICKEL	21		mg/Kg
007439921	LEAD	1,000		mg/Kg
007440360	ANTIMONY	—	6.2U	mg/Kg

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Survey Name: ROSELLE PARK

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AG03420 Field/Station ID: 0-161-0002 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007782492	SELENIUM	—	3.6U	mg/Kg
007440280	THALLIUM	—	2.6U	mg/Kg
007440622	VANADIUM	42		mg/Kg
007440666	ZINC	290		mg/Kg

AG03421 Field/Station ID: 0-161-0003 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	7,800		mg/Kg
007440382	ARSENIC	4.6		mg/Kg
007440393	BARIUM	81		mg/Kg
007440417	BERYLLIUM	—	0.54U	mg/Kg
007440702	CALCIUM	8,900		mg/Kg
7440-43-9	CADMIUM	—	0.54U	mg/Kg
007440484	COBALT	7.4		mg/Kg
007440473	CHROMIUM	34		mg/Kg
007440508	COPPER	78		mg/Kg
007439896	IRON	62,000		mg/Kg
007440097	POTASSIUM	1,800		mg/Kg
007439954	MAGNESIUM	3,400		mg/Kg
007439965	MANGANESE	760		mg/Kg
007440235	SODIUM	—	540U	mg/Kg
007440020	NICKEL	20		mg/Kg
007439921	LEAD	130		mg/Kg
007440360	ANTIMONY	7.5		mg/Kg
007782492	SELENIUM	—	3.8U	mg/Kg
007440280	THALLIUM	—	2.7U	mg/Kg
007440622	VANADIUM	23		mg/Kg
007440666	ZINC	280		mg/Kg

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Project Number: 05070060

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AG03422 Field/Station ID: 0-161-0004 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	5,700		mg/Kg
007440382	ARSENIC	6.0		mg/Kg
007440393	BARIUM	130		mg/Kg
007440417	BERYLLIUM	—	0.63B	mg/Kg
007440702	CALCIUM	6,300		mg/Kg
7440-43-9	CADMIUM	—	0.68U	mg/Kg
007440484	COBALT	7.8		mg/Kg
007440473	CHROMIUM	43		mg/Kg
007440508	COPPER	88		mg/Kg
007439896	IRON	60,000		mg/Kg
007440097	POTASSIUM	1,900		mg/Kg
007439954	MAGNESIUM	2,400		mg/Kg
007439965	MANGANESE	720		mg/Kg
007440235	SODIUM	—	630U	mg/Kg
007440020	NICKEL	22		mg/Kg
007439921	LEAD	340		mg/Kg
007440360	ANTIMONY	7.6		mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	20		mg/Kg
007440666	ZINC	210		mg/Kg

AG03423 Field/Station ID: 0-161-0005 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	10,000		mg/Kg
007440382	ARSENIC	9.3		mg/Kg
007440393	BARIUM	140		mg/Kg
007440417	BERYLLIUM	1.2		mg/Kg
007440702	CALCIUM	37,000		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03423 Field/Station ID: 0-161-0005 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
7440-43-9	CADMIUM	2.2		mg/Kg
007440484	COBALT	16		mg/Kg
007440473	CHROMIUM	80		mg/Kg
007440508	COPPER	220		mg/Kg
007439896	IRON	100,000		mg/Kg
007440097	POTASSIUM	700		mg/Kg
007439954	MAGNESIUM	11,000		mg/Kg
007439965	MANGANESE	2,200		mg/Kg
007440235	SODIUM	1,300		mg/Kg
007440020	NICKEL	47		mg/Kg
007439921	LEAD	240		mg/Kg
007440360	ANTIMONY	—	7.6U	mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	29		mg/Kg
007440666	ZINC	260		mg/Kg

AG03424 Field/Station ID: 0-161-0006 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	20,000		mg/Kg
007440382	ARSENIC	6.4		mg/Kg
007440393	BARIUM	230		mg/Kg
007440417	BERYLLIUM	2.7		mg/Kg
007440702	CALCIUM	79,000		mg/Kg
7440-43-9	CADMIUM	1.7		mg/Kg
007440484	COBALT	7.5		mg/Kg
007440473	CHROMIUM	40		mg/Kg
007440508	COPPER	120		mg/Kg
007439896	IRON	40,000		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03424 Field/Station ID: 0-161-0006 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440097	POTASSIUM	2,200		mg/Kg
007439954	MAGNESIUM	34,000		mg/Kg
007439965	MANGANESE	1,800		mg/Kg
007440235	SODIUM	930		mg/Kg
007440020	NICKEL	28		mg/Kg
007439921	LEAD	130		mg/Kg
007440360	ANTIMONY	—	6.6U	mg/Kg
007782492	SELENIUM	4.5		mg/Kg
007440280	THALLIUM	—	2.8U	mg/Kg
007440622	VANADIUM	31		mg/Kg
007440666	ZINC	290		mg/Kg

AG03425 Field/Station ID: 0-161-0007 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	8,500		mg/Kg
007440382	ARSENIC	12		mg/Kg
007440393	BARIUM	450		mg/Kg
007440417	BERYLLIUM	—	0.57U	mg/Kg
007440702	CALCIUM	44,000		mg/Kg
7440-43-9	CADMIUM	1.8		mg/Kg
007440484	COBALT	7.9		mg/Kg
007440473	CHROMIUM	29		mg/Kg
007440508	COPPER	140		mg/Kg
007439896	IRON	26,000		mg/Kg
007440097	POTASSIUM	960		mg/Kg
007439954	MAGNESIUM	5,300		mg/Kg
007439965	MANGANESE	620		mg/Kg
007440235	SODIUM	—	570U	mg/Kg
007440020	NICKEL	22		mg/Kg

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Survey Name: ROSELLE PARK

Project Number: 05070060

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AG03425 Field/Station ID: 0-161-0007 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439921	LEAD	940		mg/Kg
007440360	ANTIMONY	—	6.9U	mg/Kg
007782492	SELENIUM	—	4.0U	mg/Kg
007440280	THALLIUM	—	2.9U	mg/Kg
007440622	VANADIUM	31		mg/Kg
007440666	ZINC	830		mg/Kg

AG03426 Field/Station ID: 0-161-0008 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.1U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	15		mg/Kg
007440393	BARIUM	300		mg/Kg
007440417	BERYLLIUM	0.62		mg/Kg
007440702	CALCIUM	36,000		mg/Kg
7440-43-9	CADMIUM	0.99		mg/Kg
007440484	COBALT	8.0		mg/Kg
007440473	CHROMIUM	24		mg/Kg
007440508	COPPER	90		mg/Kg
007439896	IRON	21,000		mg/Kg
007440097	POTASSIUM	1,300		mg/Kg
007439954	MAGNESIUM	4,700		mg/Kg
007439965	MANGANESE	740		mg/Kg
007440235	SODIUM	—	560U	mg/Kg
007440020	NICKEL	21		mg/Kg
007439921	LEAD	420		mg/Kg
007440360	ANTIMONY	—	6.8U	mg/Kg
007782492	SELENIUM	—	4.0U	mg/Kg
007440280	THALLIUM	—	2.8U	mg/Kg
007440622	VANADIUM	31		mg/Kg

fer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample I

AG03426 Field/Station ID: 0-161-0008 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440666	ZINC	470		mg/Kg

AG03427 Field/Station ID: 0-161-0009 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	3.0		mg/Kg
007429905	ALUMINUM	13,000		mg/Kg
007440382	ARSENIC	19		mg/Kg
007440393	BARIUM	1,400		mg/Kg
007440417	BERYLLIUM	1.2		mg/Kg
007440702	CALCIUM	7,500		mg/Kg
7440-43-9	CADMIUM	5.1		mg/Kg
007440484	COBALT	14		mg/Kg
007440473	CHROMIUM	61		mg/Kg
007440508	COPPER	410		mg/Kg
007439896	IRON	64,000		mg/Kg
007440097	POTASSIUM	1,900		mg/Kg
007439954	MAGNESIUM	3,700		mg/Kg
007439965	MANGANESE	710		mg/Kg
007440235	SODIUM	1,400		mg/Kg
007440020	NICKEL	56		mg/Kg
007439921	LEAD	1,600		mg/Kg
007440360	ANTIMONY	11		mg/Kg
007782492	SELENIUM	—	4.2U	mg/Kg
007440280	THALLIUM	—	3.0U	mg/Kg
007440622	VANADIUM	41		mg/Kg
007440666	ZINC	3,200		mg/Kg

Refer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03428 Field/Station ID: 0-161-0010 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	2.6		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	34		mg/Kg
007440393	BARIUM	1,000		mg/Kg
007440417	BERYLLIUM	0.82		mg/Kg
007440702	CALCIUM	6,600		mg/Kg
7440-43-9	CADMIUM	4.4		mg/Kg
007440484	COBALT	26		mg/Kg
007440473	CHROMIUM	98		mg/Kg
007440508	COPPER	350		mg/Kg
007439896	IRON	180,000		mg/Kg
007440097	POTASSIUM	970		mg/Kg
007439954	MAGNESIUM	2,600		mg/Kg
007439965	MANGANESE	2,000		mg/Kg
007440235	SODIUM	1,800		mg/Kg
007440020	NICKEL	110		mg/Kg
007439921	LEAD	1,300		mg/Kg
007440360	ANTIMONY	28		mg/Kg
007782492	SELENIUM	—	4.2U	mg/Kg
007440280	THALLIUM	—	3.0U	mg/Kg
007440622	VANADIUM	37		mg/Kg
007440666	ZINC	1,800		mg/Kg

AG03429 Field/Station ID: 0-161-0011 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.3U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	22		mg/Kg
007440393	BARIUM	650		mg/Kg
007440417	BERYLLIUM	—	0.63U	mg/Kg

fer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03429 Field/Station ID: 0-161-0011 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440702	CALCIUM	3,900		mg/Kg
7440-43-9	CADMIUM	1.5		mg/Kg
007440484	COBALT	9.4		mg/Kg
007440473	CHROMIUM	35		mg/Kg
007440508	COPPER	180		mg/Kg
007439896	IRON	63,000		mg/Kg
007440097	POTASSIUM	910		mg/Kg
007439954	MAGNESIUM	2,400		mg/Kg
007439965	MANGANESE	700		mg/Kg
007440235	SODIUM	720		mg/Kg
007440020	NICKEL	22		mg/Kg
007439921	LEAD	760		mg/Kg
007440360	ANTIMONY	—	7.6U	mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	36		mg/Kg
007440666	ZINC	1,300		mg/Kg

AG03430 Field/Station ID: 0-161-0012 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	—	1.2U	mg/Kg
007429905	ALUMINUM	11,000		mg/Kg
007440382	ARSENIC	22		mg/Kg
007440393	BARIUM	1,200		mg/Kg
007440417	BERYLLIUM	—	0.62U	mg/Kg
007440702	CALCIUM	6,500		mg/Kg
7440-43-9	CADMIUM	1.6		mg/Kg
007440484	COBALT	9.8		mg/Kg
007440473	CHROMIUM	38		mg/Kg
007440508	COPPER	160		mg/Kg

Refer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03430 Field/Station ID: 0-161-0012 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007439896	IRON	50,000		mg/Kg
007440097	POTASSIUM	1,100		mg/Kg
007439954	MAGNESIUM	2,900		mg/Kg
007439965	MANGANESE	770		mg/Kg
007440235	SODIUM	710		mg/Kg
007440020	NICKEL	25		mg/Kg
007439921	LEAD	790		mg/Kg
007440360	ANTIMONY	7.8		mg/Kg
007782492	SELENIUM	—	4.4U	mg/Kg
007440280	THALLIUM	—	3.1U	mg/Kg
007440622	VANADIUM	36		mg/Kg
007440666	ZINC	1,400		mg/Kg

AG03431 Field/Station ID: 0-161-0013 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	3.0		mg/Kg
007429905	ALUMINUM	12,000		mg/Kg
007440382	ARSENIC	40		mg/Kg
007440393	BARIUM	1,300		mg/Kg
007440417	BERYLLIUM	—	0.63U	mg/Kg
007440702	CALCIUM	9,200		mg/Kg
7440-439	CADMIUM	3.9		mg/Kg
007440484	COBALT	15		mg/Kg
007440473	CHROMIUM	50		mg/Kg
007440508	COPPER	430		mg/Kg
007439896	IRON	91,000		mg/Kg
007440097	POTASSIUM	980		mg/Kg
007439954	MAGNESIUM	3,100		mg/Kg
007439965	MANGANESE	1,000		mg/Kg
007440235	SODIUM	1,400		mg/Kg

fer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AG03431 Field/Station ID: 0-161-0013 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440020	NICKEL	40		mg/Kg
007439921	LEAD	3,100		mg/Kg
007440360	ANTIMONY	34		mg/Kg
007782492	SELENIUM	—	4.5U	mg/Kg
007440280	THALLIUM	—	3.2U	mg/Kg
007440622	VANADIUM	40		mg/Kg
007440666	ZINC	2,300		mg/Kg

AG03432 Field/Station ID: 0-161-0014 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	6.1		mg/Kg
007429905	ALUMINUM	19,000		mg/Kg
007440382	ARSENIC	110		mg/Kg
007440393	BARIUM	2,000		mg/Kg
007440417	BERYLLIUM	1.3		mg/Kg
007440702	CALCIUM	9,500		mg/Kg
7440-43-9	CADMIUM	2.4		mg/Kg
007440484	COBALT	21		mg/Kg
007440473	CHROMIUM	59		mg/Kg
007440508	COPPER	400		mg/Kg
007439896	IRON	65,000		mg/Kg
007440097	POTASSIUM	1,300		mg/Kg
007439954	MAGNESIUM	2,800		mg/Kg
007439965	MANGANESE	700		mg/Kg
007440235	SODIUM	1,300		mg/Kg
007440020	NICKEL	58		mg/Kg
007439921	LEAD	1,400		mg/Kg
007440360	ANTIMONY	16		mg/Kg
007782492	SELENIUM	—	4.1U	mg/Kg
007440280	THALLIUM	—	2.9U	mg/Kg

Refer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: ROSELLE PARK

Project Number: 05070060

*Sorted By Sample ID

AC03432 Field/Station ID: 0-161-0014 Date Received: 8/1/2005
Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

CAS Number	Analyte Name	Result	Remark Codes	Units
007440622	VANADIUM	43		mg/Kg
007440666	ZINC	1,600		mg/Kg

Project Approval: J. R. [illegible] **Date:** 9-26-05

Refer to Page 1 for an explanation of Remark Codes

Report Date: 9/23/2005 3:45PM

Appendix H

APPENDIX H

Subsurface Soil Data
Lead by X-Ray Fluorescence
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

REAC XRF PRELIMINARY ANALYSIS REPORT (NO QA/QC)

Site: Roselle Park Youth Fields
XRF used: NITON XLt792YW
XRF S/N: 8262
XRF Operator: D. J. Kalnicky

REAC WA#: EAC00161
Matrix type: Soil
Conc. Units: mg/kg

			Lead							
Date Analyzed	SAMPLE ID	Location	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
3-Nov-2005	0-161-1001	SB-WB8(1-2)	2280	25						
3-Nov-2005	0-161-1002	SB-WB8(2-3)	3390	25						
3-Nov-2005	0-161-1003	SB-WB8(5-6)	252	25						
3-Nov-2005	0-161-1004	SB-WB8(7-8)	U	25						
3-Nov-2005	0-161-1005	SB-WE6(1-1.5)	71	25						
3-Nov-2005	0-161-1006	SB-WE6(1.5-2)	29	25						
3-Nov-2005	0-161-1007	SB-WE6(3-4)	674	25						
3-Nov-2005	0-161-1008	SB-WE6(3-4)D	693	25						
3-Nov-2005	0-161-1009	SB-WE6(5-6)	75	25						
3-Nov-2005	0-161-1010	SB-WE6(7-8)	U	25						
3-Nov-2005	0-161-1010DUP	SB-WE6(7-8)	U	25						
3-Nov-2005	0-161-1011	SB-WF3(1-2)	2150	25						
3-Nov-2005	0-161-1012	SB-WF3(2-3)	445	25						
3-Nov-2005	0-161-1013	SB-WF3(5-6)	49	25						
3-Nov-2005	0-161-1014	SB-WF3(7-8)	U	25						
3-Nov-2005	0-161-1015	SB-WIF(1-2)	77	25						
3-Nov-2005	0-161-1016	SB-WIF(2-3)	520	25						
3-Nov-2005	0-161-1017	SB-WIF(2-3)D	1180	25						

RL - reporting Level
U - Not Detected (less than the MDL)
DUP - Preparation Duplicate

REAC XRF PRELIMINARY ANALYSIS REPORT (NO QA/QC)

Site: Roselle Park Youth Fields
XRF used: NITON XLt792YW
XRF S/N: 8262
XRF Operator: D. J. Kalnicky

REAC WA#: EAC00161
Matrix type: Soil
Conc. Units: mg/kg

			Lead							
Date Analyzed	SAMPLE ID	Location	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
3-Nov-2005	0-161-1018	SB-WIF(3-4)	120	25						
3-Nov-2005	0-161-1019	SB-WIF(4-5)	1210	25						
4-Nov-2005	0-161-1020	SB-WIF(5-6)	73	25						
4-Nov-2005	0-161-1020DUP	SB-WIF(5-6)	87	25						
4-Nov-2005	0-161-1021	SB-WIF(5-6)D	52	25						
4-Nov-2005	0-161-1022	SB-WH2(2-3)	2430	25						
4-Nov-2005	0-161-1023	SB-WH2(3-4)	1780	25						
4-Nov-2005	0-161-1024	SB-WH2(3-4)D	1260	25						
4-Nov-2005	0-161-1025	SB-WH2(5-6)	58	25						
4-Nov-2005	0-161-1026	SB-WX5(2-3)	8070	25						
4-Nov-2005	0-161-1027	SB-WX5(3-4)	3740	25						
4-Nov-2005	0-161-1028	SB-WX5(5-6)	48	25						
4-Nov-2005	0-161-1029	SB-WH8(1-2)	2580	25						
4-Nov-2005	0-161-1030	SB-WH8(1-2)D	2260	25						
4-Nov-2005	0-161-1030DUP	SB-WH8(1-2)	2240	25						
4-Nov-2005	0-161-1031	SB-WH8(2-3)	1590	25						
4-Nov-2005	0-161-1032	SB-WH8(3-4)	153	25						
4-Nov-2005	0-161-1033	SB-WH8(4-5)	549	25						

RL - reporting Level
U - Not Detected (less than the MDL)
DUP - Preparation Duplicate

REAC XRF PRELIMINARY ANALYSIS REPORT (NO QA/QC)

Site: Roselle Park Youth Fields
XRF used: NITON XLt792YW
XRF S/N: 8262
XRF Operator: D. J. Kalnicky

REAC WA#: EAC00161
Matrix type: Soil
Conc. Units: mg/kg

Date Analyzed	SAMPLE ID	Location	Lead Conc.	Lead RL	Conc.	RL	Conc.	RL	Conc.	RL
4-Nov-2005	0-161-1034	SB-WH8(6-7)	U	25						
4-Nov-2005	0-161-1035	SB-WF9(2-3)	538	25						
4-Nov-2005	0-161-1036	SB-WF9(5-6)	120	25						
4-Nov-2005	0-161-1037	SB-WF9(6-7)	U	25						
4-Nov-2005	0-161-1038	SB-WX15(1-2)	6320	25						
4-Nov-2005	0-161-1039	SB-WX15(2-3)	2120	25						
4-Nov-2005	0-161-1040	SB-WX15(3-4)	998	25						
4-Nov-2005	0-161-1040DUP	SB-WX15(3-4)	1090	25						
4-Nov-2005	0-161-1041	SB-A1TEMP(1-2)	390	25						
4-Nov-2005	0-161-1042	SB-A1TEMP(1-2)D	224	25						
4-Nov-2005	0-161-1043	SB-A1TEMP(2-2.5)	1220	25						
4-Nov-2005	0-161-1044	SB-A1TEMP(2.5-3)	219	25						
4-Nov-2005	0-161-1045	SB-A1TEMP(6-7)	55	25						
4-Nov-2005	0-161-1046	SB-A2TEMP(1-2)	511	25						
4-Nov-2005	0-161-1047	SB-A2TEMP(2-3)	767	25						
4-Nov-2005	0-161-1048	SB-A2TEMP(3-4)	114	25						
4-Nov-2005	0-161-1049	SB-A3TEMP(2-3)	193	25						
4-Nov-2005	0-161-1050	SB-A3TEMP(3-4)	427	25						

RL - reporting Level
U - Not Detected (less than the MDL)
DUP - Preparation Duplicate

REAC XRF PRELIMINARY ANALYSIS REPORT (NO QA/QC)

Site: Roselle Park Youth Fields

XRF used: NITON XLt792YW

XRF S/N: 8262

XRF Operator: D. J. Kalnicky

REAC WA#: EAC00161

Matrix type: Soil

Conc. Units: mg/kg

			Lead							
Date Analyzed	SAMPLE ID	Location	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
4-Nov-2005	0-161-1050DUP	SB-A3TEMP(3-4)	532	25						
4-Nov-2005	0-161-1051	SB-A3TEMP(6-7)	U	25						
4-Nov-2005	0-161-1052	SB-A3TEMP(9-10)	U	25						
4-Nov-2005	0-161-1053	SB-A3TEMP(11-12)	U	25						
4-Nov-2005	0-161-1055	FB-051024A	U	25						
4-Nov-2005	0-161-1058	SB-WF3(5-6)D	37	25						
4-Nov-2005	0-161-1058DUP	SB-WF3(5-6)D	43	25						

RL - reporting Level
U - Not Detected (less than the MDL)
DUP - Preparation Duplicate

Appendix I

APPENDIX I

Subsurface Soil Laboratory Analytical Report
Volatile Organic Compounds
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

Lockheed Martin Technology Services
Environmental Services REAC
2890 Woodbridge Avenue Building 209 Annex
Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN

DATE: 22 December 2005

TO: R. Singhvi EPA/ERTC

FROM: V. Kansal Analytical Section Leader Vinod Kansal

SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT #0-161

Attached please find the following document prepared under this work assignment:

Roselle Park Youth Baseball Fields - Analytical Report

Central File WA #0-161	(w/attachment)
A. Humphrey	Work Assignment Manager (w/attachment)
C. Sklaney	Task Leader (w/attachment)
J. Soroka	Data Validation and Report Writing Group Leader (w/o attachment)

ANALYTICAL REPORT

Prepared by
Lockheed Martin, Inc.

Roselle Park Youth Baseball Fields
Roselle Park, NJ

December, 2005

EPA Work Assignment No.0-161
LOCKHEED MARTIN Work Order No. EAC00161
EPA Contract No. EP-C-04-032

Submitted to
A. Humphrey
EPA-ERT

Clip Sklaney 12/14/05
C. Sklaney Date
Task Leader

Vinod Kansal 12/21/05
V. Kansal Date
Analytical Section Leader

Dennis Miller for Dennis Miller 12/22/05
D. Miller Date
Program Manager

Analysis by:
REAC

Prepared by:
M. Bernick

Reviewed by:
J. Soroka

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Section III

Chains of Custody
Appendix A Data for VOC in Soil — P 381 001

Appendix will be furnished on request.

Introduction

REAC, in response to WA0-161, provided analytical support for environmental samples collected from the Roselle Park Youth Baseball Fields located in Roselle Park, NJ as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the results. The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	# of Samples	Date Sampled	Date Received	Matrix	Analysis (Method)	Lab	Data Package
0-161-051024-02	6	10/24/05	10/25/05	Soil	VOC (SOP 1807)	REAC	P381
	2				Oil Fingerprint **		

**At the request of the Work Assignment Manager, no QA/QC was performed on the data; the data were reported separately.

Case Narrative

Values less than 25% of the reporting limit for organic analyses have not been reported.

VOC in Soil Package P 381

In the initial calibration on system B on 10/7/05 the bromoform 5 ppb standard RF exceeded the QC limits. The RL for this compound is based on the 20 ppb standard for Soil Blank 102605-1, samples 0-161-1056 and 0-161-1057.

In the initial calibration on system A on 10/27/05 the 1,2-dibromo 3-chloropropane 5 and 20 ppb RFs exceeded the QC limits. The RL for 1,2-dibromo 3-chloropropane is based on the 50 ppb standard for MBLK-B-102705-1, MEOH Blank-B-102805-2 and samples 0-161-1051 through 0-161-1054.

In the initial calibration on system A on 10/27/05 the percent relative standard deviation and the linear regression r^2 exceeded the QC limits for chloroethane, trichlorofluoromethane, acetone and naphthalene. The samples were quantified using these linear regressions. The naphthalene results for samples 0-161-1051 through 0-161-1054 are estimated.

Summary of Abbreviations

C	Centigrade
cont.	Continued
D	(Surrogate Table) value is from a diluted sample and was not calculated (Result Table) result was obtained from a diluted sample
Dioxin	Polychlorinated Dibenzo-p-dioxins (PCDD) and Dibenzofurans (PCDF)
CLP	Contract Laboratory Procedure
COC	Chain of Custody
Conc	Concentration
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DL	Detection Limit
E	Value is greater than the highest linear standard and is estimated
EMPC	Estimated maximum possible concentration
ICAP	Inductively Coupled Argon Plasma
IS	Internal Standard
J	Value is estimated
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	either Not Applicable or Not Available
NC	Not Calculated
NR	Not Requested
NS	Not Spiked
% D	Percent Difference
% Rec.	Percent Recovery
PAL	Permissible Acceptance Limit
ppbv	parts per billion by volume
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Monitoring
Surr	Surrogate
TCLP	Toxic Characteristics Leaching Procedure
U	Not detected

m^3	cubic meter	kg	kilogram	µg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram	ng	nanogram
µL	microliter	$\mu g/m^3$	microgram/cubic meter		
*	Value exceeds the acceptable QC limit				

Revision 8/03/05

Table 1.1 Results of the Analysis for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields
Based on Dry Weight

Method REAC SOP 1807

Sample # :	Soil Blank B 102605-1		0-161-1056		0-161-1057	
Location :			FB051024B		TB-051024	
Unit :	µg/kg		µg/kg		µg/kg	
% Solid :	100		100		100	
Analyte	*Result*	*RL*	*Result*	*RL*	*Result*	*RL*
Dichlorodifluoromethane	U	5.00	U	5.00	U	5.00
Chloromethane	U	5.00	U	5.00	U	5.00
Vinyl Chloride	U	5.00	U	5.00	U	5.00
Bromomethane	U	5.00	U	5.00	U	5.00
Chloroethane	U	5.00	U	5.00	U	5.00
Trichlorofluoromethane	U	5.00	U	5.00	U	5.00
Acetone	U	20.0	U	20.0	U	20.0
1,1-Dichloroethene	U	5.00	U	5.00	U	5.00
Methylene Chloride	U	5.00	U	5.00	U	5.00
Carbon Disulfide	U	5.00	U	5.00	U	5.00
Methyl-t-butyl Ether	U	5.00	U	5.00	U	5.00
trans-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00
1,1-Dichloroethane	U	5.00	U	5.00	U	5.00
2-Butanone	U	5.00	U	5.00	U	5.00
2,2-Dichloropropane	U	5.00	U	5.00	U	5.00
cis-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00
Chloroform	U	5.00	U	5.00	U	5.00
1,1-Dichloropropene	U	5.00	U	5.00	U	5.00
1,2-Dichloroethane	U	5.00	U	5.00	U	5.00
1,1,1-Trichloroethane	U	5.00	U	5.00	U	5.00
Carbon Tetrachloride	U	5.00	U	5.00	U	5.00
Benzene	U	5.00	U	5.00	U	5.00
Trichloroethene	U	5.00	U	5.00	U	5.00
1,2-Dichloropropane	U	5.00	U	5.00	U	5.00
Bromodichloromethane	U	5.00	U	5.00	U	5.00
Dibromomethane	U	5.00	U	5.00	U	5.00
cis-1,3-Dichloropropene	U	5.00	U	5.00	U	5.00
trans-1,3-Dichloropropene	U	5.00	U	5.00	U	5.00
1,1,2-Trichloroethane	U	5.00	U	5.00	U	5.00
1,3-Dichloropropane	U	5.00	U	5.00	U	5.00
Dibromochloromethane	U	5.00	U	5.00	U	5.00
1,2-Dibromoethane	U	5.00	U	5.00	U	5.00
Bromoform	U	20.0	U	20.0	U	20.0
4-Methyl-2-pentanone	U	5.00	U	5.00	U	5.00
Toluene	U	5.00	U	5.00	U	5.00
2-Hexanone	U	5.00	U	5.00	U	5.00
Tetrachloroethene	U	5.00	U	5.00	U	5.00
Chlorobenzene	U	5.00	U	5.00	U	5.00
1,1,1,2-Tetrachloroethane	U	5.00	U	5.00	U	5.00
Ethylbenzene	U	5.00	U	5.00	U	5.00
p&m-Xylene	U	10.0	U	10.0	U	10.0
o-Xylene	U	5.00	U	5.00	U	5.00
Styrene	U	5.00	U	5.00	U	5.00
Isopropylbenzene	U	5.00	U	5.00	U	5.00
1,1,2,2-Tetrachloroethane	U	5.00	U	5.00	U	5.00
1,2,3-Trichloropropane	U	5.00	U	5.00	U	5.00
n-Propylbenzene	U	5.00	U	5.00	U	5.00
Bromobenzene	U	5.00	U	5.00	U	5.00
1,3,5-Trimethylbenzene	U	5.00	U	5.00	U	5.00
2-Chlorotoluene	U	5.00	U	5.00	U	5.00
4-Chlorotoluene	U	5.00	U	5.00	U	5.00
tert-Butylbenzene	U	5.00	U	5.00	U	5.00
1,2,4-Trimethylbenzene	U	5.00	U	5.00	U	5.00
sec-Butylbenzene	U	5.00	U	5.00	U	5.00
p-Isopropyltoluene	U	5.00	U	5.00	U	5.00
1,3-Dichlorobenzene	U	5.00	U	5.00	U	5.00
1,4-Dichlorobenzene	U	5.00	U	5.00	U	5.00
n-Butylbenzene	U	5.00	U	5.00	U	5.00
1,2-Dichlorobenzene	U	5.00	U	5.00	U	5.00
1,2-Dibromo-3-chloropropane	U	5.00	U	5.00	U	5.00
1,2,4-Trichlorobenzene	U	5.00	U	5.00	U	5.00
Hexachlorobutadiene	U	5.00	U	5.00	U	5.00
Naphthalene	U	5.00	U	5.00	U	5.00
1,2,3-Trichlorobenzene	U	5.00	U	5.00	U	5.00

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields
Based on Dry Weight

Method REAC SOP 1807

Sample # :	MeOH Blank B 102705-1		0-161-1051		0-161-1052		0-161-1053	
Location :			SB-A3TEMP(6-7)		SB-A3TEMP(9-10)		SB-A3TEMP(11-12)	
Unit :	µg/kg		µg/kg		µg/kg		µg/kg	
% Solid :	100		78		86		84	
Analyte	*Result*	*RL*	*Result*	*RL*	*Result*	*RL*	*Result*	*RL*
Dichlorodifluoromethane	U	250	U	1600	U	116	U	5950
Chloromethane	U	250	U	1600	U	116	U	5950
Vinyl Chloride	U	250	U	1600	U	116	U	5950
Bromomethane	U	250	U	1600	U	116	U	5950
Chloroethane	U	250	U	1600	U	116	U	5950
Trichlorofluoromethane	U	250	U	1600	U	116	U	5950
Acetone	U	1000	U	6410	U	465	U	23800
1,1-Dichloroethene	U	250	U	1600	U	116	U	5950
Methylene Chloride	U	250	U	1600	138	116	U	5950
Carbon Disulfide	U	250	U	1600	U	116	U	5950
Methyl-t-butyl Ether	U	250	U	1600	U	116	U	5950
trans-1,2-Dichloroethene	U	250	U	1600	U	116	U	5950
1,1-Dichloroethane	U	250	U	1600	U	116	U	5950
2-Butanone	U	250	U	1600	U	116	U	5950
2,2-Dichloropropane	U	250	U	1600	U	116	U	5950
cis-1,2-Dichloroethene	U	250	U	1600	U	116	U	5950
Chloroform	U	250	U	1600	U	116	U	5950
1,1-Dichloropropene	U	250	U	1600	U	116	U	5950
1,2-Dichloroethane	U	250	U	1600	U	116	U	5950
1,1,1-Trichloroethane	U	250	U	1600	U	116	U	5950
Carbon Tetrachloride	U	250	U	1600	U	116	U	5950
Benzene	U	250	U	1600	U	116	U	5950
Trichloroethene	U	250	U	1600	U	116	U	5950
1,2-Dichloropropane	U	250	U	1600	U	116	U	5950
Bromodichloromethane	U	250	U	1600	U	116	U	5950
Dibromomethane	U	250	U	1600	U	116	U	5950
cis-1,3-Dichloropropene	U	250	U	1600	U	116	U	5950
trans-1,3-Dichloropropene	U	250	U	1600	U	116	U	5950
1,1,2-Trichloroethane	U	250	U	1600	U	116	U	5950
1,3-Dichloropropane	U	250	U	1600	U	116	U	5950
Dibromochloromethane	U	250	U	1600	U	116	U	5950
1,2-Dibromoethane	U	250	U	1600	U	116	U	5950
Bromoform	U	250	U	1600	U	116	U	5950
4-Methyl-2-pentanone	U	250	U	1600	U	116	U	5950
Toluene	U	250	U	1600	U	116	79000	5950
2-Hexanone	U	250	U	1600	U	116	U	5950
Tetrachloroethene	U	250	U	1600	U	116	U	5950
Chlorobenzene	U	250	U	1600	U	116	U	5950
1,1,1,2-Tetrachloroethane	U	250	U	1600	U	116	U	5950
Ethylbenzene	U	250	5860	1600	301	116	45000	5950
p&m-Xylene	U	500	6190	3210	648	233	178000	11900
o-Xylene	U	250	U	1600	88.5 J	116	73800	5950
Styrene	U	250	U	1600	U	116	U	5950
Isopropylbenzene	U	250	3050	1600	67.8 J	116	5980	5950
1,1,2,2-Tetrachloroethane	U	250	U	1600	U	116	U	5950
1,2,3-Trichloropropane	U	250	U	1600	U	116	U	5950
n-Propylbenzene	U	250	12000	1600	266	116	20800	5950
Bromobenzene	U	250	U	1600	U	116	U	5950
1,3,5-Trimethylbenzene	U	250	U	1600	206	116	34500	5950
2-Chlorotoluene	U	250	U	1600	U	116	U	5950
4-Chlorotoluene	U	250	U	1600	U	116	U	5950
tert-Butylbenzene	U	250	U	1600	U	116	U	5950
1,2,4-Trimethylbenzene	U	250	47800	1600	1650	116	124000	5950
sec-Butylbenzene	U	250	1940	1600	U	116	U	5950
p-Isopropyltoluene	U	250	1240 J	1600	U	116	U	5950
1,3-Dichlorobenzene	U	250	U	1600	U	116	U	5950
1,4-Dichlorobenzene	U	250	U	1600	U	116	U	5950
n-Butylbenzene	U	250	6640	1600	U	116	U	5950
1,2-Dichlorobenzene	U	250	U	1600	U	116	U	5950
1,2-Dibromo-3-chloropropane	U	2500	U	16000	U	1160	U	59500
1,2,4-Trichlorobenzene	U	250	U	1600	U	116	U	5950
Hexachlorobutadiene	U	250	U	1600	U	116	U	5950
Naphthalene	U	250	7740 J	1600	399 J	116	23700 J	5950
1,2,3-Trichlorobenzene	U	250	U	1600	U	116	U	5950

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Table 1.1 (cont.) Results of the Analysis for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields
Based on Dry Weight

Method REAC SOP 1807

Sample # :	MeOH Blank A 102805-2		0-161-1054	
Location :			SB-A3TEMP(11-12)D	
Unit :	µg/kg		µg/kg	
% Solid :	100		84	
Analyte	*Result*	*RL*	*Result*	*RL*
Dichlorodifluoromethane	U	250	U	5950
Chloromethane	U	250	U	5950
Vinyl Chloride	U	250	U	5950
Bromomethane	U	250	U	5950
Chloroethane	U	250	U	5950
Trichlorofluoromethane	U	250	U	5950
Acetone	U	1000	U	23800
1,1-Dichloroethene	U	250	U	5950
Methylene Chloride	U	250	U	5950
Carbon Disulfide	U	250	U	5950
Methyl-t-butyl Ether	U	250	U	5950
trans-1,2-Dichloroethene	U	250	U	5950
1,1-Dichloroethane	U	250	U	5950
2-Butanone	U	250	U	5950
2,2-Dichloropropane	U	250	U	5950
cis-1,2-Dichloroethene	U	250	U	5950
Chloroform	U	250	U	5950
1,1-Dichloropropene	U	250	U	5950
1,2-Dichloroethane	U	250	U	5950
1,1,1-Trichloroethane	U	250	U	5950
Carbon Tetrachloride	U	250	U	5950
Benzene	U	250	U	5950
Trichloroethene	U	250	U	5950
1,2-Dichloropropane	U	250	U	5950
Bromodichloromethane	U	250	U	5950
Dibromomethane	U	250	U	5950
cis-1,3-Dichloropropene	U	250	U	5950
trans-1,3-Dichloropropene	U	250	U	5950
1,1,2-Trichloroethane	U	250	U	5950
1,3-Dichloropropane	U	250	U	5950
Dibromochloromethane	U	250	U	5950
1,2-Dibromoethane	U	250	U	5950
Bromoform	U	250	U	5950
4-Methyl-2-pentanone	U	250	U	5950
Toluene	U	250	14000	5950
2-Hexanone	U	250	U	5950
Tetrachloroethene	U	250	U	5950
Chlorobenzene	U	250	U	5950
1,1,1,2-Tetrachloroethane	U	250	U	5950
Ethylbenzene	U	250	23200	5950
p&m-Xylene	U	500	88800	11900
o-Xylene	U	250	30600	5950
Styrene	U	250	U	5950
Isopropylbenzene	U	250	3110 J	5950
1,1,2,2-Tetrachloroethane	U	250	U	5950
1,2,3-Trichloropropane	U	250	U	5950
n-Propylbenzene	U	250	10800	5950
Bromobenzene	U	250	U	5950
1,3,5-Trimethylbenzene	U	250	18700	5950
2-Chlorotoluene	U	250	U	5950
4-Chlorotoluene	U	250	U	5950
tert-Butylbenzene	U	250	U	5950
1,2,4-Trimethylbenzene	U	250	86800	5950
sec-Butylbenzene	U	250	U	5950
p-Isopropyltoluene	U	250	U	5950
1,3-Dichlorobenzene	U	250	U	5950
1,4-Dichlorobenzene	U	250	U	5950
n-Butylbenzene	U	250	U	5950
1,2-Dichlorobenzene	U	250	U	5950
1,2-Dibromo-3-chloropropane	U	2500	U	59500
1,2,4-Trichlorobenzene	U	250	U	5950
Hexachlorobutadiene	U	250	U	5950
Naphthalene	U	250	9630 J	5950
1,2,3-Trichlorobenzene	U	250	U	5950

Table 1.2 Results of TIC for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields

Method REAC SOP 1807

Soil Blank B 102605-1	No TICs were detected.
0-161-1057	No TICs were detected.
MeOH Blank B 102705-1	No TICs were detected.
MeOH Blank A 102805-2	No TICs were detected.

Table 1.2 (cont.) Results of TIC for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields

Method REAC SOP 1807

Sample #: 0-161-1056

Compound	RT	Conc.* µg/kg
Camphene	17.61	5.10

Sample #: 0-161-1051

Compound	RT	Conc.* µg/kg
Pentane, 2-methyl-	6.41	8600
Hexane, 2-methyl-	9.45	15700
Pentane, dimethyl isomer	9.63	11200
Hexane, methyl- isomer	9.76	18900
Hexane, dimethyl	11.37	8270
Cyclohexane, methyl-	11.65	8450
alkane C8 H18	12.25	19700
alkane C8 H18	12.51	16500
alkane C9 H20	14.77	15500
alkane C9 H20	14.99	13100
alkane C10 H22	17.03	23700
Ethyl toluene isomer	18.08	11300
Trimethyl benzene isomer	19.86	12100
Ethyl xylene isomer	21.00	9550
Ethyl xylene isomer	21.24	19000
Tetramethyl benzene isomer	22.01	8530
Tetramethyl benzene isomer	22.16	12300
Dihydromethylindene isomer	22.86	8690
Dihydromethylindene isomer	23.17	16500
Dihydrodimethylindene isomer	23.69	12000

Sample #: 0-161-1052

Compound	RT	Conc.* µg/kg
Pentane, methyl- isomer	6.84	267
Hexane	7.35	358
Hexane, methyl- isomer	9.43	593
Pentane, dimethyl isomer	9.6	291
Hexane, methyl- isomer	9.73	647
Heptane	10.43	374
Methyl heptane isomer	12.24	470
alkane C8 H18	12.5	353
alkane C9 H20	14.77	258
alkane C10 H22	17.03	363
Ethyl toluene isomer	18.07	742
Ethyl toluene isomer	18.61	335
Trimethyl benzene isomer	19.87	409
Propyl toluene isomer	20.24	442
Ethyl xylene isomer	20.4	523
Ethyl xylene isomer	21.25	456
Tetramethyl benzene isomer	22.16	328
Dihydromethylindene isomer	22.86	244
Dihydromethylindene isomer	23.17	449
Dihydrodimethylindene isomer	23.69	360

* Estimated Concentration (Response Factor = 1)

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Table 1.2 (cont.) Results of TIC for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields

Method REAC SOP 1807

Sample #: 0-161-1053

Compound	RT	Conc.* µg/kg
Pentane, methyl- isomer	6.41	102000
Pentane, methyl- isomer	6.92	63100
Hexane	7.41	82600
Pentane, methylene isomer	8.31	28700
Cyclopentane, methyl	8.72	67300
Hexane, methyl- isomer	9.45	65800
Hexane, methyl- isomer	9.76	54200
Heptane	10.45	31500
Cyclohexane, methyl-	11.65	25100
Methyl Heptane isomer	12.25	30500
alkane C8 H18	12.5	24500
alkane C10 H18	17.03	26100
Ethyl toluene isomer	18.05	97000
Ethyl toluene isomer	18.61	26300
Trimethyl benzene isomer	19.87	28800
Propyl toluene isomer	20.23	36200
Ethyl xylene isomer	20.4	36100
Unkbnown	20.54	17500
Ethyl xylene isomer	21.24	22400
Indan, methyl- isomer	23.17	24200

Sample #: 0-161-1054

Compound	RT	Conc.* µg/kg
Pentane	4.43	16100
Pentane, methyl- isomer	6.4	64400
Pentane, methyl- isomer	6.91	41300
Hexane	7.41	43600
Cyclopentane, methyl	8.71	45600
Hexane, methyl- isomer	9.45	33500
Hexane, methyl- isomer	9.76	28800
Heptane	10.45	20700
Cyclohexane, methyl-	11.65	15600
alkane C8 H18	12.26	14800
alkane C8 H18	12.5	12000
Dimethyloctane isomer	17.03	10600
Ethyl toluene isomer	18.04	58100
Ethyl toluene isomer	18.61	15500
Trimethyl benzene isomer	19.87	16900
Propyl toluene isomer	20.23	19500
Ethyl xylene isomer	20.4	21300
Imdole	20.54	10000
Ethyl xylene isomer	21.24	13000
Indan, methyl- isomer	23.17	13700

* Estimated Concentration (Response Factor = 1)

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Table 2.1 Results of the Internal Standard Areas & Surrogate Percent Recoveries for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields

Analysis Date 10/26/05

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV2857.D	Soil Blank B 102605-1	259366	2094742	1104285	100	99	101
BV2858.D	LCS BS 46	246077	2127751	1124178	101	99	98
BV2864.D	0-161-1056	279023	2338366	1232357	97	99	100
BV2865.D	0-161-1057	264021	2206544	1157474	98	100	98
Cal Check Area	BV2856.D	244338	2051650	1156540			

				Surrogate Limits
				Soil
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	70-121
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	84-138
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	59-113

Analysis Date 10/27/05

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV2362.D	MeOH Blank B 102705-1	246556	1878467	1019321	102	102	102
AV2363.D	LCS AW 44	240353	1826402	992182	102	101	103
AV2364.D	0-161-1051/250x	249635	1911545	1114285	103	96	101
AV2365.D	0-161-1052/20x	238795	1915761	1069316	101	100	105
AV2366.D	0-161-1053/1000x	267545	2052875	1137806	101	100	100
Cal Check Area	AV2359.D	259932	1938010	1092870			

Analysis Date 10/27/05

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV2371.D	MeOH Blank 102805-2	240771	1782451	970855	103	100	106
AV2372.D	0-161-1054/1000x	241876	1820550	1021903	103	97	107
AV2373.D	0-161-1054/1000x ms	247266	1850015	1035219	102	99	107
AV2374.D	0-161-1054/1000x msd	253420	1923552	1065215	100	100	105
Cal Check Area	AV2369.D	266422	1970090	1077580			

				Surrogate Limits
				Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

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Table 2.2 Results of MS/MSD Analysis for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields
Based on Dry Weight

Sample No.:0-161-1054/ 1000X dilution

Compound Name	Sample Conc. µg/kg	MS Spike Added µg/kg	MSD Spike Added µg/kg	MS Conc. µg/kg	MSD Conc. µg/kg	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	59523.8	59523.8	54285.7	56500.0	91	95	4	14	61 - 145
Benzene	U	59523.8	59523.8	55273.8	55345.2	93	93	0	11	76 - 127
Trichloroethene	U	59523.8	59523.8	56476.2	56250.0	95	95	0	14	71 - 120
Toluene	14023.8	59523.8	59523.8	66976.2	69333.3	89	93	4	11	76 - 125
Chlorobenzene	U	59523.8	59523.8	56535.7	56678.6	95	95	0	11	75 - 130

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Table 2.3 Results of LCS Analysis for VOC in Soil
WA# 0-161 Roselle Park Youth Baseball Fields

Sample ID: LCS AW 44

Water

Compound Name	LCS Spike Added (µg/L)	LCS Conc. (µg/L)	LCS % Rec.	QC Limits % Rec.
1,1-Dichloroethene	50.0	49.6	99	70 - 130
Benzene	50.0	46.9	94	70 - 130
Trichloroethene	50.0	47.4	95	70 - 130
Toluene	50.0	47.9	96	70 - 130
Chlorobenzene	50.0	48.5	97	70 - 130

Sample ID: LCS BS 46

Soil

Compound Name	LCS Spike Added (µg/Kg)	LCS Conc. (µg/Kg)	LCS % Rec.		QC Limits % Rec.
1,1-Dichloroethene	50.0	71.1	142	*	70 - 130
Benzene	50.0	46.0	92		70 - 130
Trichloroethene	50.0	44.9	90		70 - 130
Toluene	50.0	44.9	90		70 - 130
Chlorobenzene	50.0	44.7	89		70 - 130

P381

ERT
REAC, Woodbridge, NJ
EPA Contract #: EP-C-04-032

CHAIN OF CUSTODY RECORD
Site #: 0-161
Contact Name: Chris Sklaney
Contact Phone: 732-321-4265

No: 0-161-051024-02
Cooler #:
Lab: REAC
Lab Phone:

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
6026	0-161-1051	SB-A3TEMP(6-7)	TCL VOC /OIL FINGERPRINT	Soil	10/24/2005	1	4-oz glass	4 C	
6027	0-161-1052	SB-A3TEMP(9-10)	TCL VOC	Soil	10/24/2005	1	4-oz glass	4 C	
6028	0-161-1053	SB-A3TEMP(11-12)	TCL VOC /OIL FINGERPRINT	Soil	10/24/2005	1	4-oz glass	4 C	
6029	0-161-1054	SB-A3TEMP(11-12)D	TCL VOC	Soil	10/24/2005	1	4-oz glass	4 C	
6030	0-161-1056	FB-051024B	TCL VOC	Lab Sand	10/24/2005	1	40-mL vial	4 C	
6031	0-161-1057	TB-051024	TCL VOC	Lab Sand	10/24/2005	1	20-mL vial	4 C	

Special Instructions: Hold until PWA submitted on 10/25/05 approved or notified by task leader (C. Sklaney)

Received 4°C [illegible]

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
6/Analysis	[signature]	10/25/05	[signature]	10/25/05	16:10	All/Analysis	[signature]	10/26/05	[signature]	10-26-05	8:40
All/Storage	[signature]	10/28/05	[signature]	10/28/05	9:05	6026 / Oil 6028 / Fingerprint	[signature]	10/28/05	[signature]	10/28/05	9:20
2 Storage	[signature]	10/28/05	[signature]	10/28/05	14:15						

012

0161-DAR-122205

Appendix J

APPENDIX J

Subsurface Soil Data
Lead
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

Table 1.x (cont.) Results of the Analysis for Metals in Soil
WA # 0-161 Roselle Park
Results Based on Dry Weight
NO QC EVALUATION HAS BEEN PERFORMED

Analyte Analytical Method			Lead ICAP	
Sample No.	Location	%Solid	Result mg/kg	RL mg/kg
Method Blank	Lab	-	U	1.00
0-161-1001	SB-WB8(1-2)	100	1690	5.00
0-161-1006	SB-WE6(1.5-2)	100	15.6	0.990
0-161-1007	SB-WE6(3-4)	100	691	1.00
0-161-1008	SB-WE6(3-4)D	100	717	1.00
0-161-1011	SB-WF3(1-2)	100	3140	1.00
0-161-1019	SB-WIF(4-5)	100	1320	1.00
0-161-1023	SB-WH2(3-4)	100	1660	1.00
0-161-1026	SB-WX5(2-3)	100	11000	5.00
0-161-1029	SB-WH8(1-2)	100	3410	1.00
0-161-1036	SB-WF9(5-6)	100	98.7	5.00
0-161-1038	SB-WX15(1-2)	100	14900	0.990
0-161-1040	SB-WX15(3-4)	100	1040	4.95
0-161-1045	SB-A1 TEMP(6-7)	100	51.7	5.00
0-161-1046	SB-A2 TEMP(1-2)	100	525	0.980
0-161-1049	SB-A3 TEMP(2-3)	100	207	0.990

RL denotes Reporting Limit
U denotes Not Detected

Preliminary Results
Data Not Validated

Appendix K

APPENDIX K

Subsurface Soil Data Report
Oil Fingerprinting
Roselle Park Youth Fields
Trip Report
March 2006

CASE NARRATIVE

Roselle Park : WA# 0161; November 18, 2005
Oil Fingerprints/Oil Characterization Analysis Using GC/MS SIM

Fingerprint Analysis

This report contains the analytical results for the two soil samples received from the Roselle Park project for Oil Fingerprint analysis. The report/prelims are to be issued to the client in a memo and the report is to be archived without data validation.

Lockheed/REAC received two samples on 10/25/05 for TCL VOC analysis and later, Oil Fingerprint analysis was requested. The samples were extracted and analyzed for TPH, Oil characterization and TPH Fingerprinting. The REAC oil analysis method uses a GC/MS system to quantitate the TPH, as well as provide unique fingerprints constructed from selected ions extracted out of the GC/MS total ion chromatogram. The traditional oil GC/FID fingerprint method, ASTM method D-3328, characterizes an oil or contaminated soil based on the visual oil pattern of the sample. This GC/MS method is based on a REAC bioremediation method which is a modification of SW-846 and EPA Method 8015B.

Typically, a reference oil (usually from a suspected source) is supplied to compare to samples. There was no reference oil provided for this for fingerprint matching, and the samples were compared to a kerosine and a #2 fuel oil fingerprint that are kept on file for fingerprint identification.

A mixture of oils or fuel oils with hydrocarbons that spanned the gasoline range organics, diesel range organics, and the heavy oil range was present in the samples, although fingerprints of the two samples did not match each other. Sample 0-161-1051 contained an abundance of alkyl benzenes and light gasoline range organics. Sample 0-161-1053 contained diesel range organics.

Extraction Procedure: The samples were extracted following the SW-846 Soxtherm method 3541C.

Soil Extraction Summary

Prior to extraction, each sample is spiked with 500 ul of a 400 ug/ml surrogate mixture containing anthracene-d_{10}, 5a-androstane, ortho-terphenyl-d_{14}, and triacontane-d_{62}. Thirty grams of sample is mixed with sufficient anhydrous sodium sulfate, Soxtherm extracted for 4 hours, then concentrated to a final volume of 10 mL. Prior to analysis, 20 ul of a 500 ppm solution of internal standard mix is added to 1.0 mL of analysis extract. The internal standard solution contains: naphthalene-d_8, phenanthrene-d_{10}, chrysene-d_{12}, and perylene-d_{12}, tetradecane-d_{30}, hexatriacontane-d_{74} and tetracosane-d_{50}.

Oil Matrix Spike/Matrix Spike Duplicate:

Oil matrix spikes are not a routine procedure for TPH or oil analysis due to either the prohibitive cost of the high concentration analytes, or the lab not obtaining a sample of the pure product. In order to provide representative MS/MSD recovery data, REAC has adopted to spike method blanks, and/or samples selected that do not appear to be severely contaminated with oil. A commercial spike mixture of selected oil components called the MA EPH Matrix Spike has been used with reliable success. The solution contains 10 compounds (five n-alkanes and five PAH compounds) at 2000 ug/mL each. Two samples were spiked

with this mixture to monitor the extraction efficiency based on the recoveries of the spiked compounds. Samples that are analyzed for TPH analysis should ideally be spiked with the source oil, or with an oil that is similar in characteristics such as the degree of weathering, the type of oil (#2 oil, #6 oil). The lab did not have sufficient quantity of a similar oil for spiking, therefore there is no TPH spike data for this report. The recoveries of the EPH Matrix Spike compounds combined with the surrogate recoveries should be sufficient to evaluate the extraction efficiency.

INSTRUMENT CONDITIONS:

GC/MS:

A Hewlett Packard 5890 with a 5972 GC/MS system was used in the selective ion mode for this fingerprint analysis. The instrument conditions are below:

Column	Zebron ZB-5ms, 30 m X 0.25mm ID, 0.5 micron film
Initial temp.	50°C, hold 3.0 min
Temp program	10°C/min to 315° , hold 25 min
Injection port temp.	300° C
Injection mode	Splitless: purge valve on ant 0.5 min.
Transfer line/Source temp.	315° C
Flow	1.10 mL/min EPC enabled
SIM Mode	Samples analyzed at +100 EV above tune

The GC/MS system was calibrated for SHC and PAH compounds using a 5 point range at 1.0, 5.0, 10, 25, and 50.0 µg/mL. The system was calibrated for TPH using an oil sample from an old weathered crude source labeled Green Pond oil. This oil produced a similar TPH chromatogram which consisted mainly of unresolved complex mixture "hump" compounds. When a source oil is not provided, it is necessary to quantitate the sample TPH based on the response factor of a similar oil, especially one which has undergone similar weathering. A linear calibration range from 1000 mg/L to 50,000 ug/ L was run using the Green Pond crude oil. All samples were quantified using the average response factor obtained from the calibration ranges. Before analysis each day, the system was tuned with 50 ng DFTPP in the linear scan mode. Samples were quantified for saturated hydrocarbons, PAH's, the PAH homologues, and TPH using the internal standard method.

The results of the PAH quantitation and PAH histograms are presented in Table 1 of this report. The results of the SHC quantitation and SHC histograms are presented in Table 2. The histograms were not incorporated into evaluating the fingerprints since the visual TPH, hopane, sulfur, and methyl-chrysene fingerprints were obvious and sufficient for matching the samples.

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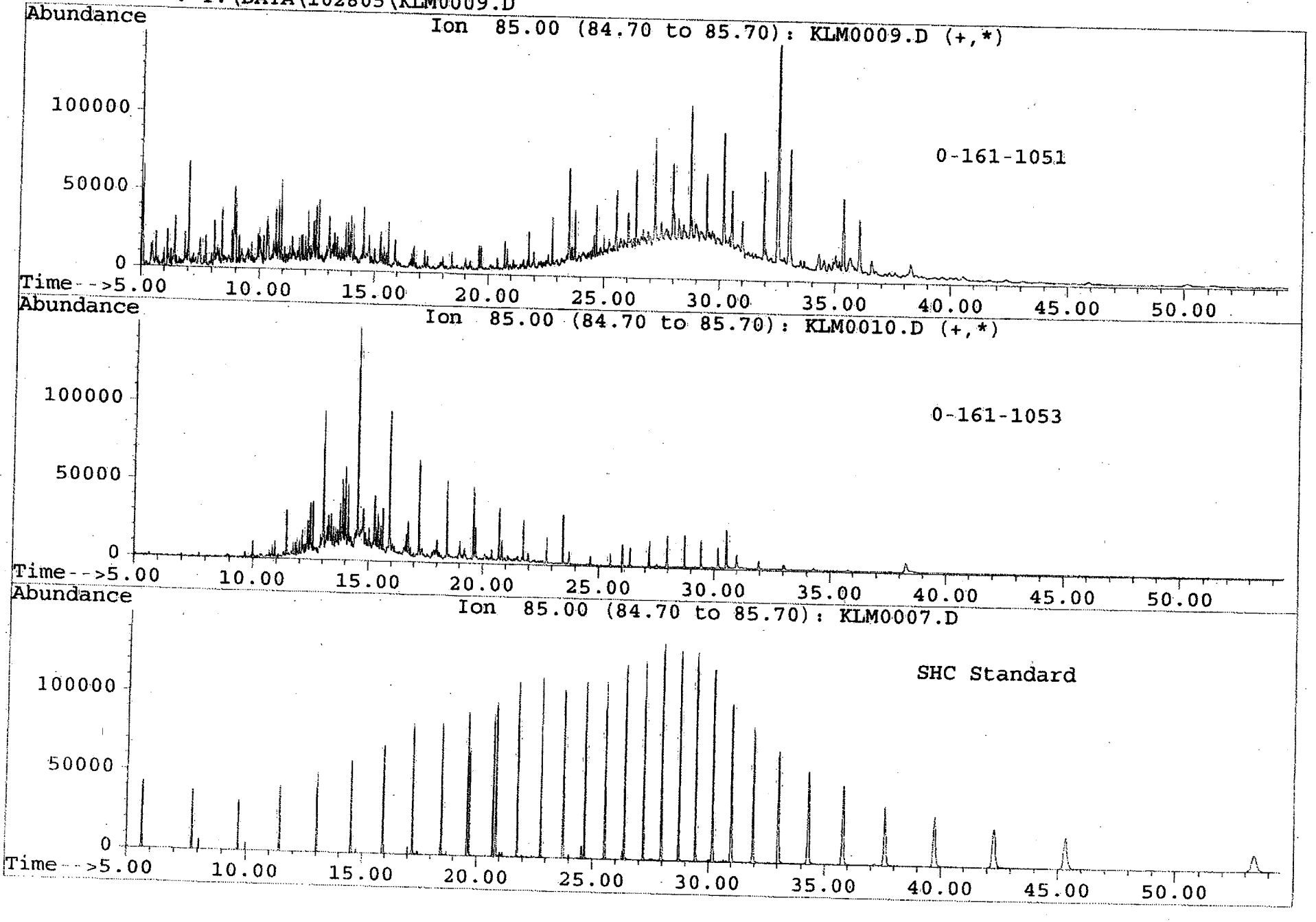

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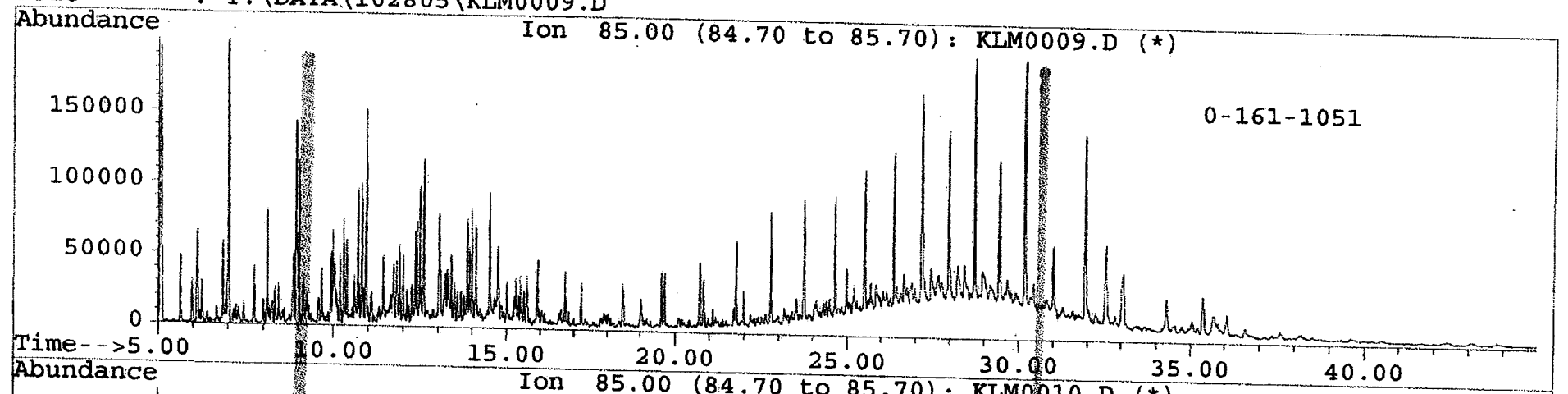

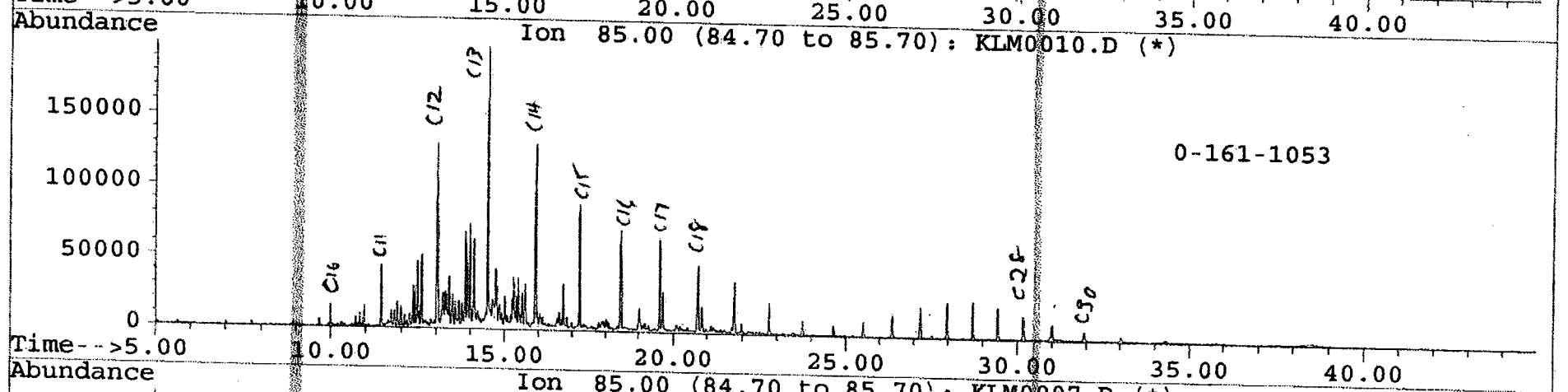

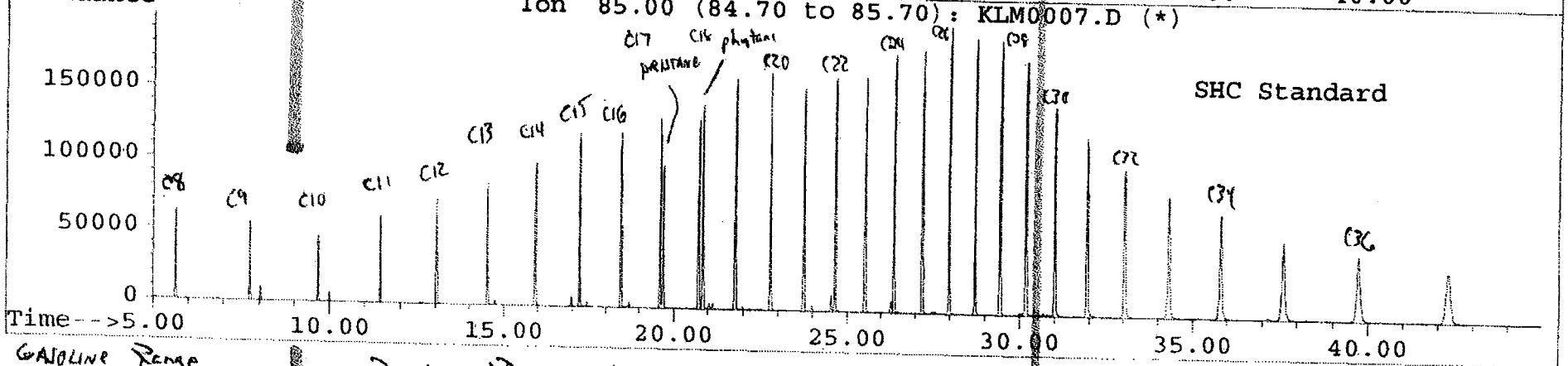

GASOLINE Range ORGANICS

DIESEL RANGE ORGANICS

Heavy oil →

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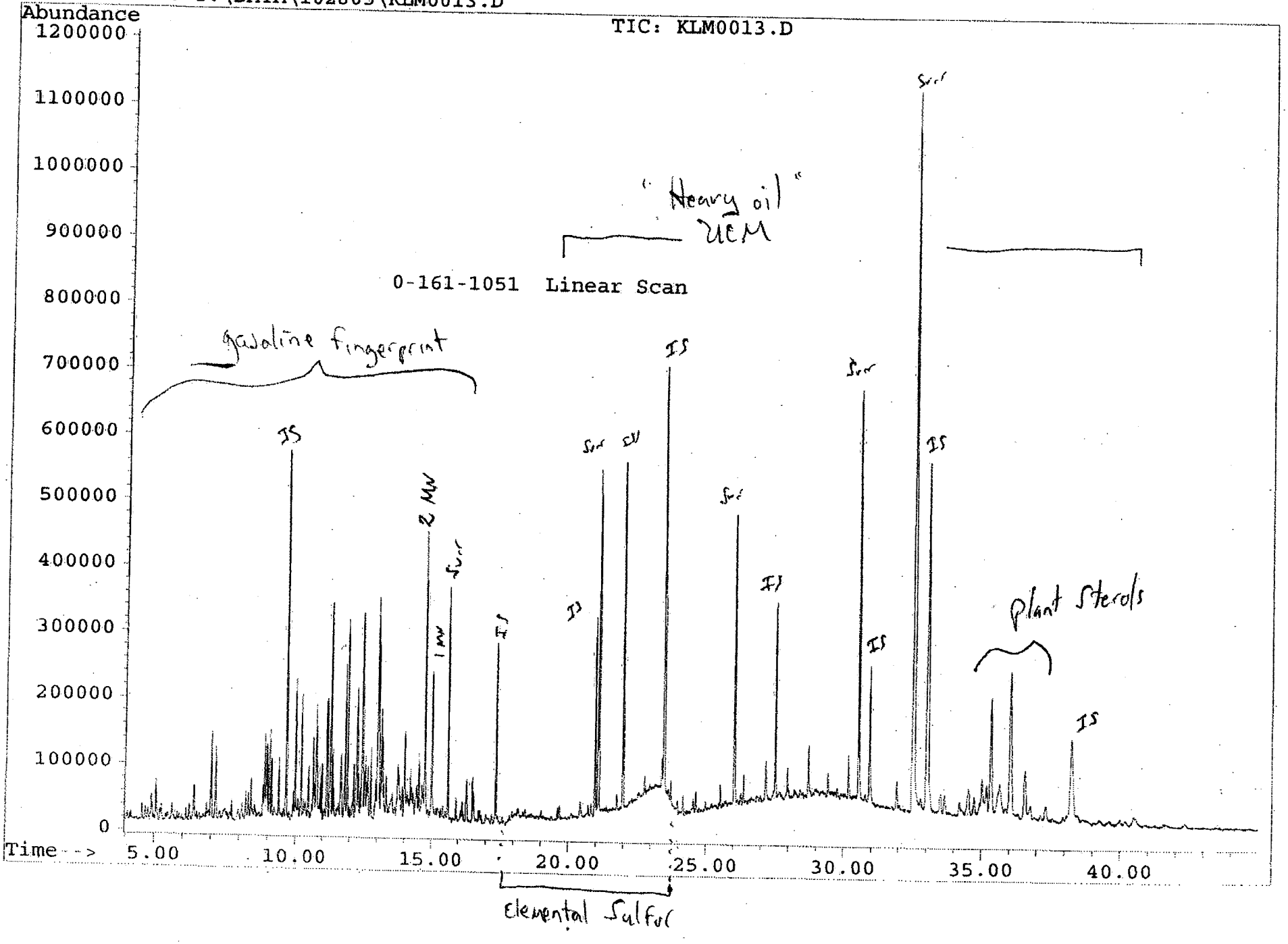

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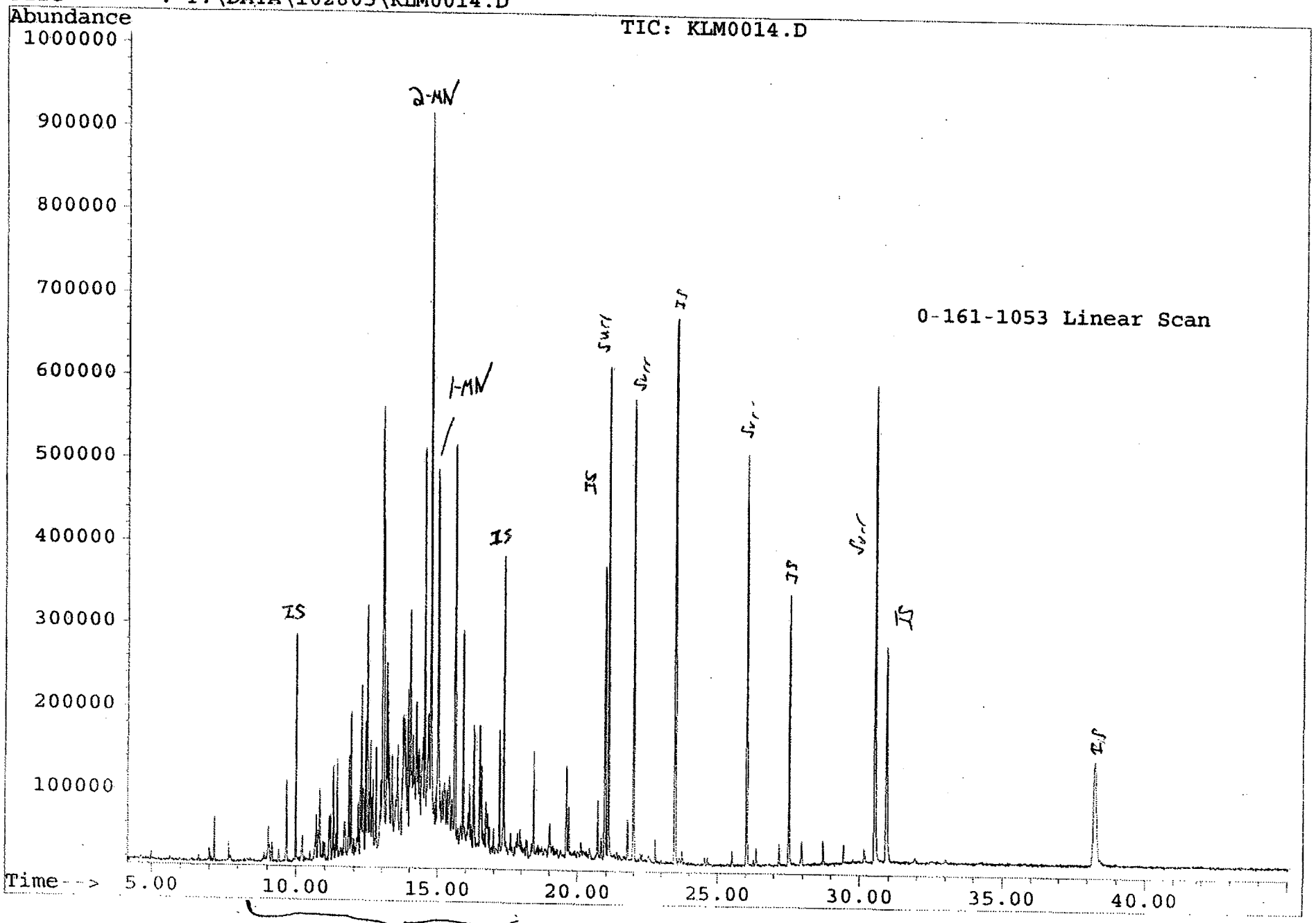

DRO - Possible Kerosine

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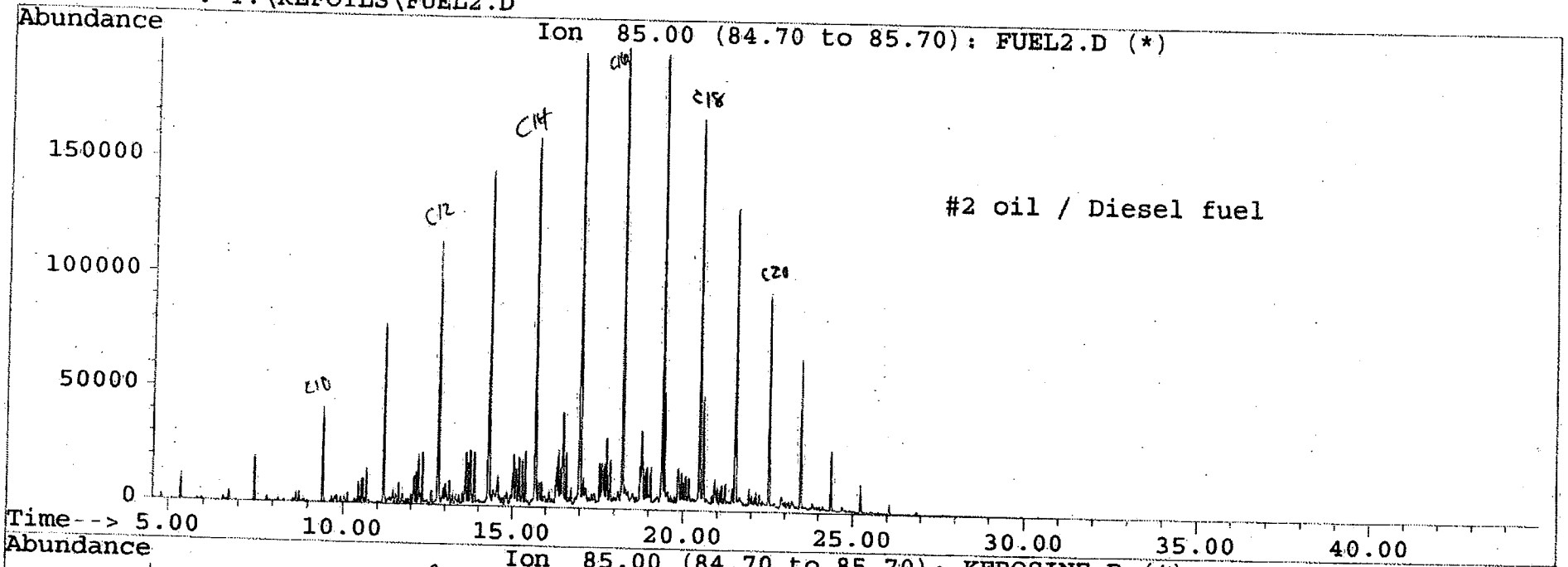

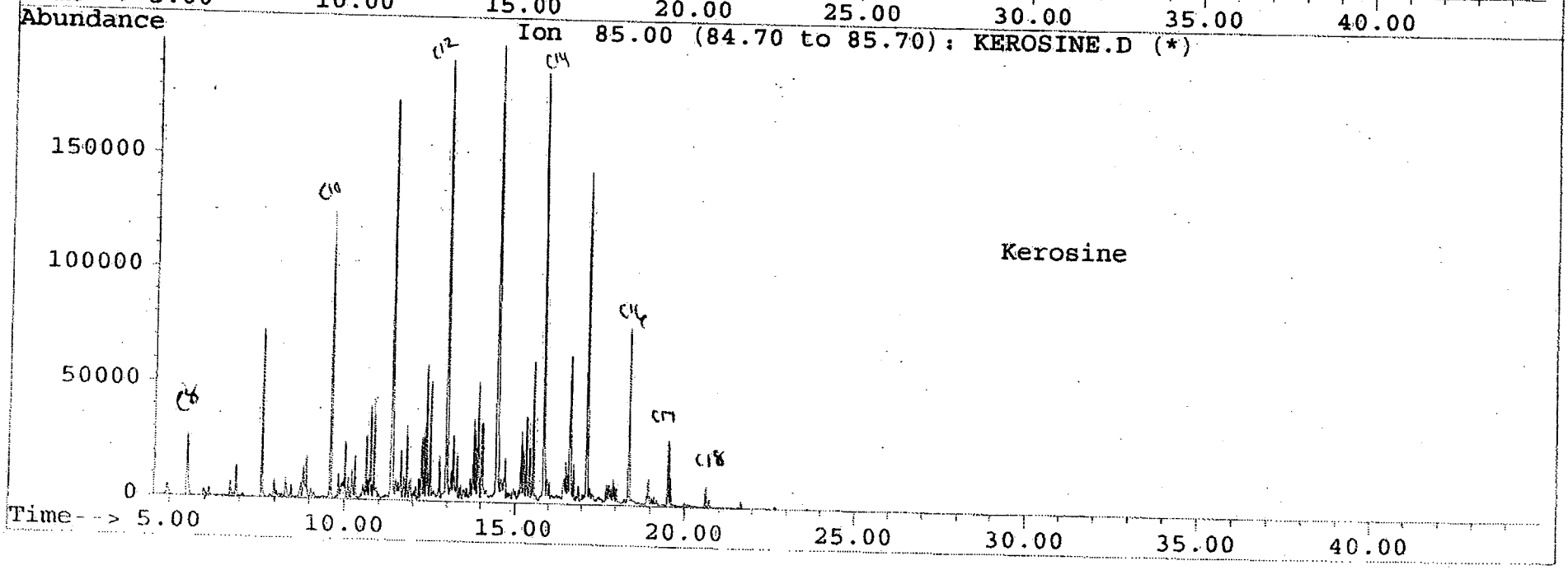

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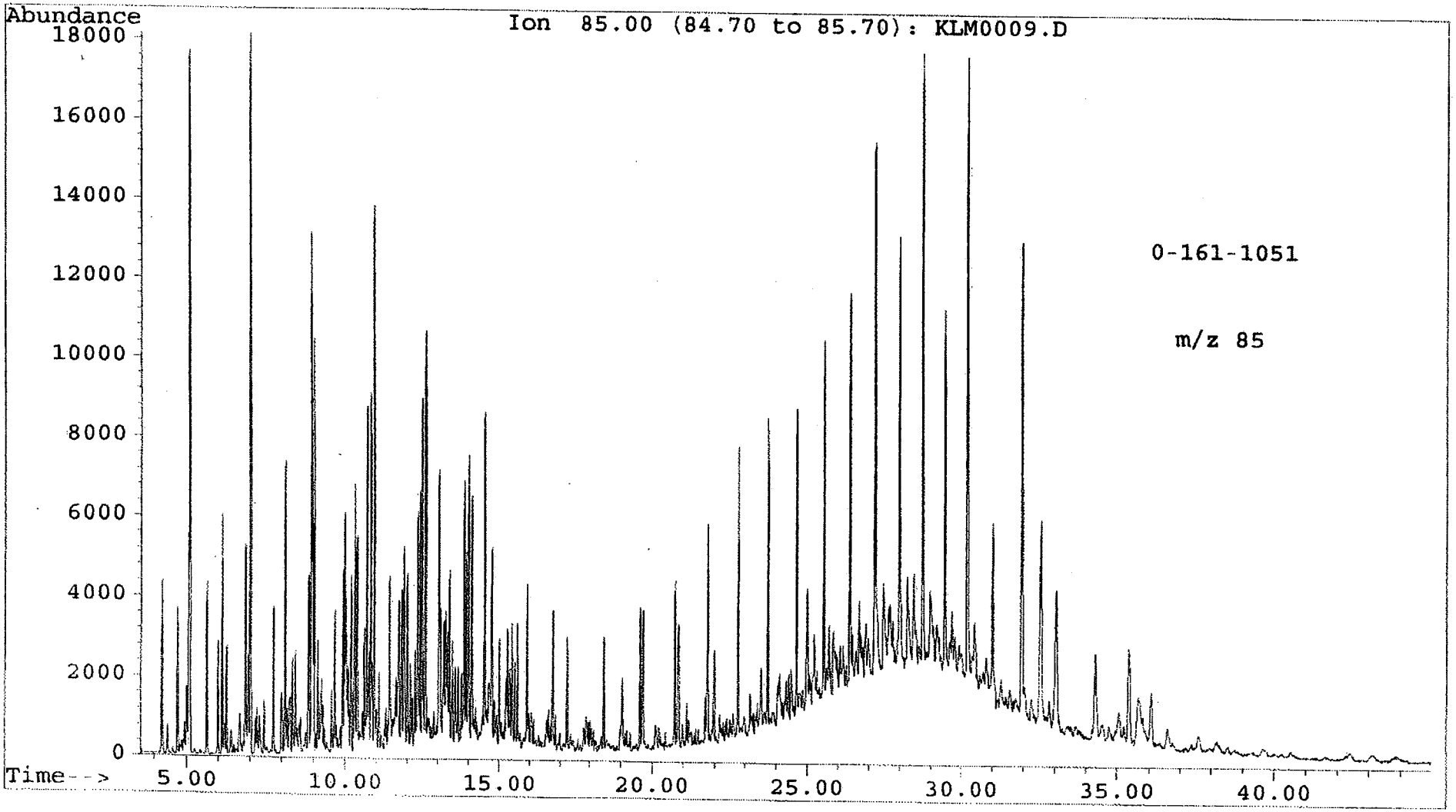
Instrument : 5972 Slic
Sample Name: 0-161-1051
Misc Info : 30g to 10mL FV;
Vial Number: 2



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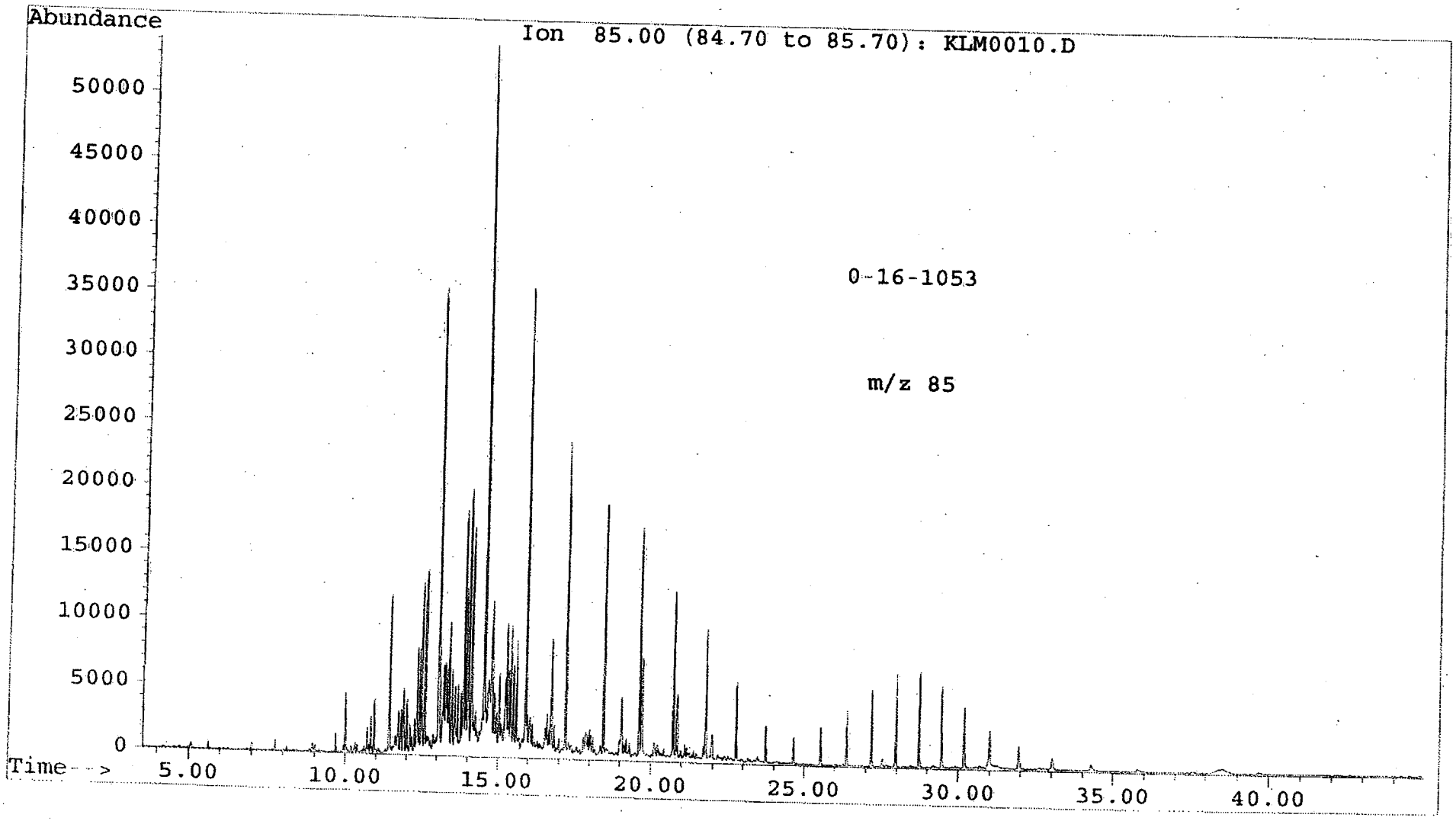
Vial Number: 3



Appendix L

APPENDIX L

Subsurface Soil Data
Volatile Organic Compounds by Toxicity Characteristic Leachate Procedure
Roselle Park Youth Baseball Fields Site
Trip Report
March 2006

Table 1. Results of the Analysis for Metals in Water
WA # 0-161 Roselle Park Youth Fields Site
NO QC EVALUATION HAS BEEN PERFORMED

Analyte		Lead	
Analytical Method		ICAP	
Sample No.	Location	Result µg/L	RL µg/L
Method Blank	Lab	U	5.00
TCLP Blank	-	U	5.00
0-161-1026	SB-WX5(2-3)	5.27	5.00
0-161-1029	SB-WH8(1-2)	9.88	5.00
0-161-1038	SB-WX15(1-2)	1340	5.00

RL denotes Reporting Limit
U denotes Not Detected