Site Investigation / Remedial Alternatives Report

– Volume 1 –

Brownfield Environmental Restoration Project
(Project No. B00053-4)

Lot No. 6 - Riverside Technology Park

City of Schenectady, New York

APPROVED

Prepared For:

City of Schenectady Industrial Development Agency
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Prepared By:

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November, 2002

SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT
— VOLUME 1 —

BROWNFIELD ENVIRONMENTAL RESTORATION PROJECT
PROJECT NO. B-00053-4

LOT NO. 6 – RIVERSIDE TECHNOLOGY PARK
CITY OF SCHENECTADY, NEW YORK

Prepared For:

City of Schenectady Industrial Development Agency
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1.0 INTRODUCTION

This Site Investigation/Remedial Alternatives Report (SI/RAR) presents the results of a recently completed field study performed at Lot No. 6 of Riverside Technology Park in Schenectady, New York (refer to Drawing No. 99-158.01-S1). This SI/RAR is prepared to present the findings of investigations performed and to present and compare remedial alternatives to accomplish an appropriate and reasonable remediation of discovered contaminated conditions on the site.

The subsurface investigation was supervised by Holt Consulting of Rensselaer, New York on behalf of the City of Schenectady Industrial Development Agency (COSIDA), and was conducted in accordance with the provisions of Title 5 of Article 56 of the Environmental Conservation Law (i.e., Brownfields Program). Consequently, 75% of the eligible project costs incurred by COSIDA for the performance of the Site Investigation were reimbursed by New York State using allocated funds from the 1996 Clean Water/Clean Air Bond Act. The scope and intent of the Site Investigation was approved by the New York State Department of Environmental Conservation (NYSDEC) on October 14, 1998 with the issuance of Brownfields Project No. B00053-4, and a State Assistance Contract (SAC No. C301395) between COSIDA and New York State was delivered to COSIDA on March 19 2001. The scope of site investigations was supplemented by a second phase of investigation, also approved by the NYSDEC, in the Fall of 2001. The State Assistance Contract was amended to include assistance with these supplementary investigations, with the amendment dated January, 2002.

Riverside Technology Park is a 40 acre tract of land that was donated to the City of Schenectady in 1982, and is being developed by COSIDA for the establishment of several light industrial businesses. An 11 acre portion of the 40 acre parcel at one time housed the Sousa Petroleum Bulk Storage Facility, which had an overall capacity of 8.8 million gallons of stored petroleum product. Although the terminal was decommissioned in the late 1960's and early 1970's, and was subsequently razed in 1990 under the guidance and supervision of the NYSDEC, evidence of subsurface petroleum contamination was discovered in September 1996 during the construction of the site access road (referred to as Technology Drive) in the vicinity of Lot No. 6, a 2.44 acre parcel.

As described in NYSDEC-approved Site Investigation/Remedial Alternatives (SI/RA) Work Plan prepared by Holt Consulting (dated January 2000), the objectives of the site investigation were as follows:

1.) To determine the nature and extent of the contamination present at the site;

2.) To confirm that the suspected sources of contamination identified during previous investigations are, in fact, the actual sources of contamination;

3.) To evaluate the extent to which natural or manmade barriers currently contain the contamination or provide preferential pathways for migration;

4.) To further define subsurface conditions at the site in sufficient detail to support remedial design;

5.) And to determine the extent to which contamination levels pose an unacceptable risk to public health and/or the environment.

Based on the findings of the Site Investigation (SI) as presented herein, which involved the installation of eight (8) ground water monitoring wells and the laboratory testing of representative soil and ground water samples, a soil gas survey, and supplemental test pit excavation and soil testing, the extent of subsurface petroleum contamination at Lot No. 6 of Riverside Technology Park has been effectively defined, allowing the reasonable characterization and delineation of site conditions. The results of all field investigations as reported in the SI portion of this Report form the basis for the identification and analysis presented in the Remedial Alternatives (RA) portion of this Report.

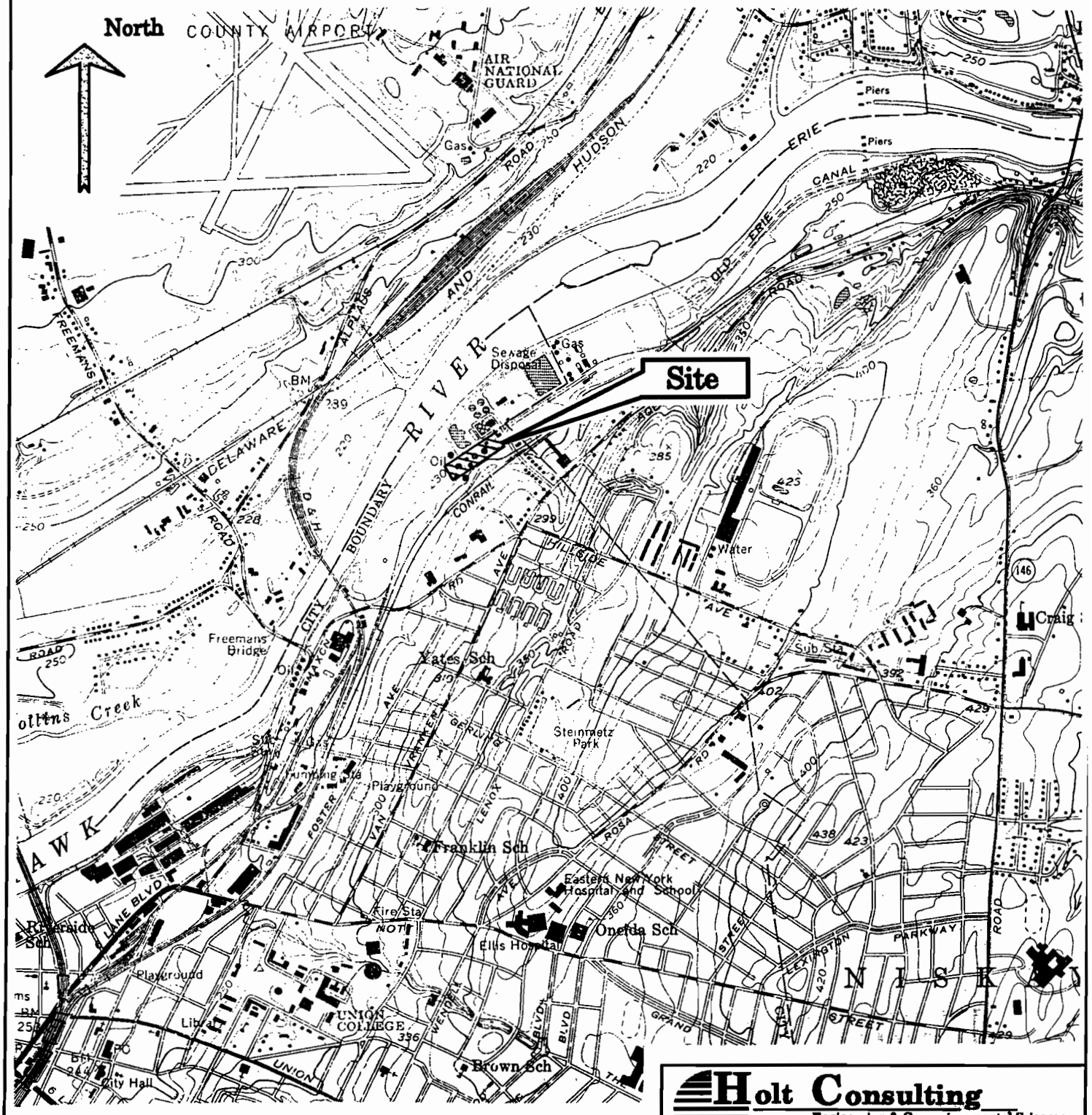
1.1 Site Description:

The Riverside Technology Park site encompasses a total area of forty (40) acres, of which eleven (11) acres situated at the eastern end of the parcel at one time housed the former Sousa Petroleum Bulk Storage Facility. Lot No. 6, which consists of approximately 2.44 acres, is located on the north side of Technology Drive, and is wholly contained within the 11 acre former Sousa Bulk Storage Facility site area, as indicated on Figure 2. Lot No. 6 is bordered to north by the City of Schenectady wastewater treatment facility and the Mohawk River, and to the south by Lots No. 9 and 8, respectively. Situated immediately to the south of Lots No. 8 and 9 is a public bike path owned by the State of New York, while the property just to the south of the bike path is owned by the Capital District Transit Authority (CDTA). Anthony Street forms the eastern site boundary of Lot No. 6, while just to the east of Anthony Street exists a vacant lot that is owned by the Salisbury Oil Company and is reportedly included on the EPA CERCLIS List. Lot No. 6 is bordered to the west by a developed lot recently acquired from COSIDA by Bitwise Designs, Inc.

1.2 Site History:

The Sousa Petroleum Bulk Storage Facility existed on the site until the late 1960's, at which time it was decommissioned. During its operation the terminal contained seven (7) major oil tanks (designated as Tank 1 through Tank 7) with a total volume of roughly 8.8 million gallons, and two (2) smaller non-designated tanks of unknown volume. The location of all nine (9) tanks are depicted on Drawing No. 99-158.01-2. Examination of the above referenced Field Investigation Plan drawing reveals that former storage tanks No. 6 and No. 7, along with two (2) smaller non-designated storage tanks, were situated in the area that is now referred to by COSIDA as Lot No. 6.

sitemap



Source: USGS 7.5 Min Topographic Quadrangle
Schenectady, NY 1980

Approximate Scale: 1" = 2,000'

Holt Consulting
Engineering & Geoenvironmental Sciences
15 Elk Street / Albany, New York 12207 / (518) 432-9021

Brownfield Environmental Restoration Project
Lot 6 Riverside Technology Park
City of Schenectady, New York

Site Location Map

Dwg. By: JRH	Chk. By: JRH			
Scale: As Noted	Date: 2/10/99	Dwg. No.: 99-158.01-S1	Sheet No.: 1 of 1	

According to information provided by Environmental Hydrogeology Corporation (EHC) in their December 1991 Phase II Environmental Assessment Study of the former Sousa Bulk Storage Facility site (refer to Appendix A of the Site Investigation/Remedial Alternatives Work Plan), the abandoned Erie Canal transects the northern boundary of Lot No. 6, specifically being located "along the path of the former service road between tanks 2 through 7 and the Mohawk River." The presence of the abandoned canal in the immediate vicinity of Lot No. 6 may affect hydrogeologic conditions on the site to some extent, but the current investigation indicates that this effect is not considered of great significance.

Based upon a site inspection of the facility conducted by O'Brien & Gere Engineers, Inc. in November 1982, the tanks were observed to be constructed of riveted and welded steel and "generally in good condition, with some extensive exterior surface rust." Two (2) buildings were also noted to exist on site. According to the O'Brien & Gere Report (which is included in Appendix A of the EHC Phase II Environmental Assessment Study),

> "One is an office/storage building in poor condition. The second is the product distribution pump building in good condition. The pumps, valves and electrical equipment have been vandalized."

Regarding the overall appearance of the site at the time of the field inspection, O'Brien & Gere indicated in their report that,

> "The site is covered with brush vegetation with no visible areas indicative of contaminated soil. Some small areas under equipment and valves had an oily smell indicating product leakage, which is to be expected."

According to information presented in the previously referenced EHC Report, the above ground storage tanks (AST's) and manmade structures associated with the former Sousa Petroleum Bulk Storage Facility were razed in 1990 under the guidance and supervision of Mr. Tom Sperbeck of the NYSDEC Region 4 office. Individual water samples, including one (1) composite sludge sample, were collected from all seven (7) tanks by EHC personnel prior to the razing event and submitted to Adirondack Environmental Services, Inc. (AES) for the analysis of petroleum-derived constituents by EPA Method 624.

Examination of the analytical laboratory test results contained in Appendix B of the EHC Phase II Assessment reveal that the water present in Tank 2 tested positive for Acetone with a concentration of 38 parts per billion (ppb), while the indicated level of Acetone determined for the sample from water present in Tank 5 was 60 ppb. The water sample collected from Tank 7 indicated an Ethylbenzene concentration of 12 ppb, and a Total Xylenes concentration of 30 ppb. All remaining parameters were found to be at non-detectable concentrations in the tested tank water samples, while all of the analyzed parameters were at non-detectable levels in the tested composite sludge sample.

The eleven (11) acre parcel containing the former Sousa Petroleum Bulk Storage Facility was donated to the City of Schenectady in 1982. Ownership of the property was subsequently transferred from the City of Schenectady to COSIDA in May of 1987.

1.3 Previous Investigations:

1.3.1 O'Brien & Gere Engineers, Inc. Field Investigation

In conjunction with their November 1982 field inspection, O'Brien & Gere Engineers personnel supervised the advancement of five (5) soil test borings at the site, which also involved the gas chromatograph analysis of four (4) ground water samples. The location of the O'Brien & Gere soil borings on a sketch accompanying the O'Brien & Gere report (designated as H-1 through H-5) are shown on Figure 3 of the EHC Phase II Environmental Assessment report. The locations indicated in these two reports vary, however, and the original O'Brien & Gere report sketch is assumed accurate. The five (5) borings were drilled to depths varying from 5.2 feet (refusal on shale bedrock at H-3) to 25.0 feet, and the encountered soils were noted to generally consist of fine silty sand overlying a layer of silt. Ground water was observed at depths ranging from 6.04 to 14.67 feet below the ground surface. As stated in their report,

> "Petroleum products are evident in the soils and groundwater. However, based on the sampling and analysis that was undertaken, we find no indication of significant concentrations of hazardous materials in the groundwater."

1.3.2 EHC Phase II Environmental Assessment Study

As part of their Phase II Environmental Assessment Study, EHC supervised the advancement of seven (7) soil test borings and the procurement of numerous composite soil samples. The soil borings (designated as EHC-1 through EHC-7) were drilled to depths ranging from 13.75 to 16.0 feet and strategically located on the downgradient side of each AST, as indicated on Figure 3 of the EHC report. The encountered geologic conditions were very similar to those documented by O'Brien & Gere in their report, with the exception of varying amounts of fill material being detected in each of the completed borings. Ground water was found to exist under unconfined conditions within the surficial deposits at depths of from 5.0 to 8.0 feet. Based on water table readings taken by EHC personnel from the on-site monitoring wells, the predominant direction of ground water flow at the site is to the northwest at a gradient of 0.33 to 4.0 percent.

Procured split-spoon samples from each soil boring were screened for the presence of volatile organic compounds (VOC's) utilizing a portable photoionization detector (PID) device, with those samples exhibiting detectable levels of VOC's used to form composite soil samples (one sample for each boring) for laboratory analysis.

While there were no VOC's detected in soil borings EHC-1 and EHC-2 as a result of the field screening activity, the remaining borings on the Lot No. 6 site exhibited VOC levels that ranged from less than 5 parts per million (ppm) to 30 ppm (refer to Table 4 of the EHC report).

The composite soil samples were submitted to CTM Laboratories of Latham, New York for the analysis of EPA 8270 Base Neutral parameters, EPA 8020 constituents, and Lead following the TCLP Method. Lead test results were not presented in the EHC report and we are unaware if elevated concentrations of lead were found to exist in the on-site soils.

Based on the laboratory results summarized below in Table 1, it was determined by EHC that unacceptable levels of petroleum-derived constituents were present at the investigation area, and the NYSDEC was subsequently notified. As a result, NYSDEC Spill No. 9109934 was assigned to the site.

Table 1.
EHC Soil Sampling Test Results: Soil Borings

Parameter	*EHC-3 (9-14')	*EHC-4 (7-16')	EHC-5 (5-14')	EHC-6 (8-16')	EHC-7 (7-16')
Ethylbenzene	<1	<1	2	<1	<1
2-Methylnaphthalene	<5	<5	49	<5	<5
Naphthalene	<5	<5	16	<5	<5
1,2-Dichlorobenzene	<1	<1	9	<1	<1
Total Xylenes	1	6	6	2	60
Toluene	1	4	1	<1	14
Benzene	2	2	3	2	3

Note: Results in micrograms per kilogram on a dry weight basis (equivalent to parts per billion).
( ) indicates composite soil sample depth interval. * Located south of the Lot No. 6 site.

1.3.3 EHC Test Excavation Activities (Phase 1)

To the best of our knowledge, the next phase of investigative work at the site occurred in September 1996 when a total of 14 test pits (designated as T.P.-A through T.P.-C, and T.P.#1 through T.P.#11) were performed in the area of the former Sousa Petroleum Bulk Storage parcel designated for the proposed Technology Park access roadway. The field investigation was apparently conducted for the purpose of evaluating the levels of subsurface petroleum contamination that could potentially be encountered by earthwork contractors during road excavation activities. A description of the soil conditions that were encountered in each test pit (as observed and noted by EHC personnel), including visual evidence of subsurface petroleum contamination, is included in Appendix B of the Site Investigation/Remedial Alternatives Work Plan.

In conjunction with the above, a water quality sample was obtained from test pit T.P.-A. (referred to as the North Test Pit (Sta. 2900) on the lab report contained in Appendix B of the Work Plan) and submitted to Northeast Analytical Environmental Lab Services of Schenectady, New York for the analysis of EPA Method 8240 parameters and EPA Method 8270 (BNA/CLP List) constituents.

Examination of the water quality test results contained in Appendix B of the Site Investigation/Remedial Alternatives Work Plan reveal that the following parameters exhibited concentrations (expressed in micrograms per liter, or parts per billion) above their respective Method Detection Limit (MDL):

Parameter	Concentration (ug/l)
Acetone	29 ppb
Ethylbenzene	110 ppb
M&P Xylene	17 ppb
O-Xylene	16 ppb
2-Methylnaphthalene	50 ppb
Phenanthrene	12 ppb

As a result of these findings, consideration was given by COSIDA to potentially relocating this particular portion of the roadway further to the south, which necessitated the performance of additional test pits as discussed below.

1.3.4 EHC Test Excavation Activities (Phase 2)

In November 1996 eight more test pits were excavated at the site to evaluate subsurface conditions along a proposed realignment to the access roadway. Specifically, Test Pits TP 11/22-1 through TP 11/22-6 were performed along the revised road layout beginning at the (previous design) cul-de-sac adjacent to Lot No. 5 and terminating at Anthony Street, while Test Pits TP 11/22-7 and TP 11/22-8 were located along the original roadway at Centerline Sta. 29+00 and Centerline Sta. 27+00, respectively (refer to EHC site plan included in Appendix C of the Work Plan).

Based on a review of field data collected during the test pit exploration, it appears that observable petroleum contamination was detected in 6 of the 8 test pits (refer to EHC correspondence included in Appendix C of the Work Plan). Composite soil samples were collected by EHC personnel from each test pit and submitted for the analysis of petroleum-derived constituents. The results of TCLP STARS laboratory testing of the six composite soil samples (refer to Table 2 below) were submitted to Mr. Matt Franklin of the NYSDEC Region 4 office for his review, and it was his determination that additional investigation was warranted at the site.

Specifically, additional soil sampling was planned in the vicinity of test pit TP 11/22-8 (refer to NYSDEC correspondence included in Appendix C of the Work Plan).

Table 2
EHC Soil Sampling Test Results: Test Pits

Parameter	TP-11/22-2 (7')	TP-11/22-3 (2.5-7')	TP-11/22-7 (2.5-9.5')	TP-11/22-8 (2-7.5')
M&P Xylene	<1	<1	2.88	530
O-Xylene	<1	<1	2.19	<1
Toluene	<1	2.46	<1	<50
sec-Butylbenzene	8.91	<1	3.58	<1
Naphthalene	1.17	<1	24.2	153
1,2,4-Trimethylbenzene	1.65	<1	21.1	825
1,3,5-Trimethylbenzene	<1	<1	6.13	252
n-Butylbenzene	<1	<1	5.83	<1
Isopropylbenzene	<1	<1	1.56	<1
4-Isopropyltoluene	<1	<1	2.25	<1
n-Propylbenzene	<1	<1	2.51	53.5
Ethylbenzene	<1	<1	<1	94.8

Note: Results in micrograms per kilogram on a dry weight basis (equivalent to parts per billion).
( ) indicates composite soil sample depth interval.

1.3.5 EHC Sampling and Testing of Monitoring Wells

As a follow up to the November 1996 field work conducted at the site by EHC, Mr. Matt Franklin recommended that the ground water monitoring wells in place at Riverside Technology Park be resampled. This task was subsequently performed by EHC personnel in January 1997, and the results were presented to the NYSDEC on March 21, 1997 in the form of a letter report (refer to Appendix D of the Work Plan).

Examination of the water quality data contained in Appendix D of the Work Plan indicates that the ground water sample obtained from the well on Lot No. 6 exhibited detectable concentrations of the VOCs Ethylbenzene (16.7 ppb), n-Propylbenzene (13.0 ppb), 1,2,4-Trimethylbenzene (202 ppb), and 1,3,5-Trimethylbenzene (26.4 ppb), while the water quality samples obtained from the monitoring wells situated on Lots No. 4 and 5 had non-detectable levels (ND) for all constituents tested.

1.3.6 Characterization of Contamination – Lot No. 6

Examination of the reports of contamination of the soils and ground water on the Lot No. 6 parcel, based upon previous investigations, indicated significant contamination by petroleum-derived organic constituents along the northwestern side of the Lot 6 parcel, in the general vicinity of previous test pits TP-A, TP-11/22-7 and TP-11/22-8.

Several test pits and a soil boring were advanced during previous investigations in the vicinity of former Tank No. 7, specifically EHC test pits TP-7 and TP-8, EHC soil boring EHC-7, and EHC test pit TP-11/22-4 (immediately east of the tank location). Of these, only soil boring EHC-7 indicated contamination with low levels of VOCs indicated near the water table elevation and below. Possible contamination was only indicated verbally in field test pit logs as "contaminated" at about the water elevation in TP-7, and "possible light contamination" in TP-8. These are presumed to be determinations based upon odor. No contamination was indicated at the location of TP-11/22-4. This information is presented on Drawing No. 158.03-1A, "Previous Investigations – Indicated Contamination."

Comparing previously reported laboratory results with the applicable SCGs (NYSDEC STARS) indicated VOCs and Semi-VOCs in exceedance of STARS acceptable TCLP Extraction criteria (including both individual contaminants and the nuisance criteria of visual and olfactory indications) of petroleum contamination.

1.3.7 Characterization of Contamination – Bitwise Parcel

Numerous test pits and a soil borings were advanced during previous investigations on the adjacent portions of the Bitwise parcel. This portion of the Bitwise parcel was the location of former petroleum storage Tank No. 4 and Tank No. 5. The information available includes VOC screening information of soil samples by PID. Some laboratory testing for VOC and Semi-VOC constituents, and in many cases simply verbal descriptions of observations during test pit excavations. PID indications of VOC content during field screening varied from 40 ppm to 200 ppm. Samples taken for laboratory testing and zones of field-detected contamination were generally around the water table elevation. Indications of contamination were described utilizing terminology such as "light odor", "strong smell,' "light contamination," or "no contamination." The results of laboratory testing indicated general low-level contamination by petroleum-derived VOCs, from 2 ppb to 86 ppb. From these indications and descriptions it is assumed that low level petroleum contamination exists, predominantly in a smear zone near the water table elevation. This information is presented on Drawing No. 158.03-1A, "Previous Investigations – Indicated Contamination."

1.4 Report Organization:

The contents of this SI/RA Report generally follow the format recommended by the NYSDEC as noted in Appendix 1 of the December 22, 1997 Guidance Document for the performance of Environmental Restoration Projects. Description of field investigations and discussion of the nature and extent of contamination are presented and discussed for each of the several sequential phases of investigation, and subsequently summarized.

2.0 FIELD INVESTIGATION METHODOLOGY

Field investigations were carried out in a phased approach with information available and developed guiding subsequent phases of the investigations. All investigations were carried out in accordance with the Project Work Plan, as supplemented and approved by the DEC. The Sequence of phased investigation included:

Initial Work (Sept. 2000)	Western fill test pits and soil sampling & testing Soil borings & monitoring well installation (8 wells) Soil and ground water sampling & testing
Phase II (Sept. 2001)	Geoprobe ground water sampling (6, in well 4 & 5 area) Re-sampling & testing of ground water Survey grid and VOC soil gas survey
Phase IIa (Nov. 2001)	Test pits and soil sampling & testing (locations based upon data from soil gas survey)
Phase III (Aug. 2002)	Geoprobe soil & ground water sampling (3 new locations) Limited re-sampling & testing ground water Test pits and soil sampling & testing in Western Fill area

2.1 Topographic Survey:

A topographic survey and property line boundary map of the project site and surrounding area was performed by ABD Engineers and Surveyors of Schenectady, New York in September 1999. Examination of the topographic survey information, which is presented on the enclosed Field Investigation Location Plan (Drawing No. 01-158.03-1), reveals that the elevation of the project site ranges from a high of 241.0 feet msl in the southwestern corner adjacent to the shoulder of Technology Drive, to a low of 231.0 feet msl along the western site boundary. As depicted on the Field Investigation Plan, fill soils have been placed in the western portion of Lot No. 6 which have resulted in the original ground surface being raised on the order of 2.0 to 4.0 feet. Information regarding the origin and nature of these fill soils is presented in Section 4.1 of this Report.

2.2 Fill Soils – Western Lot 6:

2.2.1 Excavation of Test Pits:

Holt Consulting retained the services of Environmental Cleanup Solutions, Inc. (ECS) of Scotia, New York to perform a total of six (6) test pits at the locations designated as FS-1 through FS-6 on the Field Investigation Location Plan (Drawing No. 01-158.03-1).

The purpose of the test pit investigation was to ascertain the depth of the fill material existing in the western portion of Lot No. 6, and to characterize this material with regard to petroleum contamination. According to information provided to Holt Consulting by COSIDA, the fill material was transported from the adjacent Lot No. 5 parcel and placed on Lot No. 6 for the purpose of enabling Bitwise Designs to achieve elevation design grades for the construction of their parking lot area.

At each test pit location the excavated soils were field screened with a Photoionization Detector (PID) instrument for the presence of volatile organic compounds (VOC's), in addition to being visually inspected for evidence of petroleum contamination. For the purpose of analyzing the chemical composition of the fill material, and in order to evaluate if the placement of the fill material had a detrimental impact on the quality of the underlying soils, two (2) grab soil samples were collected from each of the six (6) locations indicated on the Field Investigation Plan (for a total of 12 grab soil samples) and submitted to Chemtech of Edison, New Jersey for the laboratory analysis of Total Petroleum Hydrocarbons (TPH). Specifically, grab soil samples were obtained from the fill material a depth of two (2) inches below the ground surface, and from the underlying native soils that existed immediately below the fill material. The final depth at which each test pit was terminated was based on visual inspection of the encountered soils and a noticeable change in the composition of the overlying fill material versus the underlying native soils. Several photographs were taken at each test pit location to document the nature and composition of the encountered fill material and the underlying native soils.

2.2.2 Supplemental Geoprobe Soil Samples (Phase III):

The laboratory test results of the soil samples taken during the initial test pit program indicated several areas of potential contamination above applicable SCGs (NYSDEC STARS), particularly in the vicinity of test pits FS-2, FS-4, and FS-6. In addition, the VOS soil gas survey completed during Phase IIa investigations indicated the presence of VOC vapors within the soils in the vicinity survey grid locations B-10 and C-10, implying the possible presence of contamination in those locations. Geoprobe borings were advanced and Fill Soils sampled to further investigate these locations. (See Section 2.8.1 for a discussion of Geoprobe procedures.)

2.3 Advancement of Soil Test Borings:

Holt Consulting retained the services of Aquifer Drilling and Testing, Inc. (ADT) of Albany, New York to advance a total of eight (8) soil test borings at the project site. As depicted on Drawing No. 01-158.03-1, borings HC-1, HC-2S, HC-2D, HC-3, HC-4D, and HC-4S are located along the northern boundary of Lot No. 6 in the area where subsurface petroleum contamination was previously encountered by EHC, while borings HC-5 and HC-6 are situated at the former locations of Tank #6 and the two undesignated small tanks, respectively.

Both the hollow-stem auger drilling method and the driven casing drilling method were employed by ADT in advancing the eight (8) soil borings. Soil borings HC-2D, HC-3, HC-4D, and HC-5 were terminated in shale bedrock, with a 5-foot rock core sample retrieved at each boring location to confirm the presence of bedrock and for geologic classification purposes. At each of these particular boring locations the presence of a confining layer (i.e., glacial till) was encountered at an elevation above the top of the bedrock subsurface, therefore it was necessary to seat the hollow-stem augers in the impermeable glacial till unit and telescope 4-inch diameter flush-mount casing inside the larger diameter hollow-stem casing to continue advancement of the boring. This drilling technique was employed to prevent the downward migration of any petroleum contamination noted to exist in the overlying unconsolidated deposits into the underlying shale bedrock formation.

Representative soil samples were collected from each boring at continuous depth intervals using a split-spoon sampler in accordance with the requirements of ASTM D-1586, 1984. All procured soil samples were screened in the field for the presence of volatile organic compounds (VOC's) utilizing a portable photoionization detector (PID) instrument. PID readings were taken from each split spoon sample immediately upon retrieval from the borehole and recorded on the soil boring log. A representative portion of the split spoon soil sample was then placed in a glass container and covered with aluminum foil for additional screening of VOC's within the ensuing sixty (60) minutes (Table 3).

In conjunction with the above, at each soil boring location a discreet soil sample was prepared from the split-spoon sample exhibiting the highest field concentration of VOC's and retained for analytical laboratory testing. As discussed in greater detail in Section 4.2 of this report, the submitted soil samples were analyzed for the full list of Target Compound List (TCL) and Target Analyte List (TAL) parameters, in addition to Total Petroleum Hydrocarbons (TPH), in accordance with the laboratory methods and procedures outlined in the Quality Assurance Project Plan (QAPP) in Appendix G of the Site Investigation/Remedial Alternatives Work Plan.

All spoil material resulting from the drilling operations was containerized in 55-gallon drums and left on site for future disposal. In addition, a decontamination pad consisting of solid plank flooring covered by a nonporous surface was constructed in a designated area for the steam cleaning of the drill rig and all other heavy equipment. The wash water collected on the decontamination pad was containerized in 55-gallon drums.

Table 3
Photoionization Detector Field Screening Results

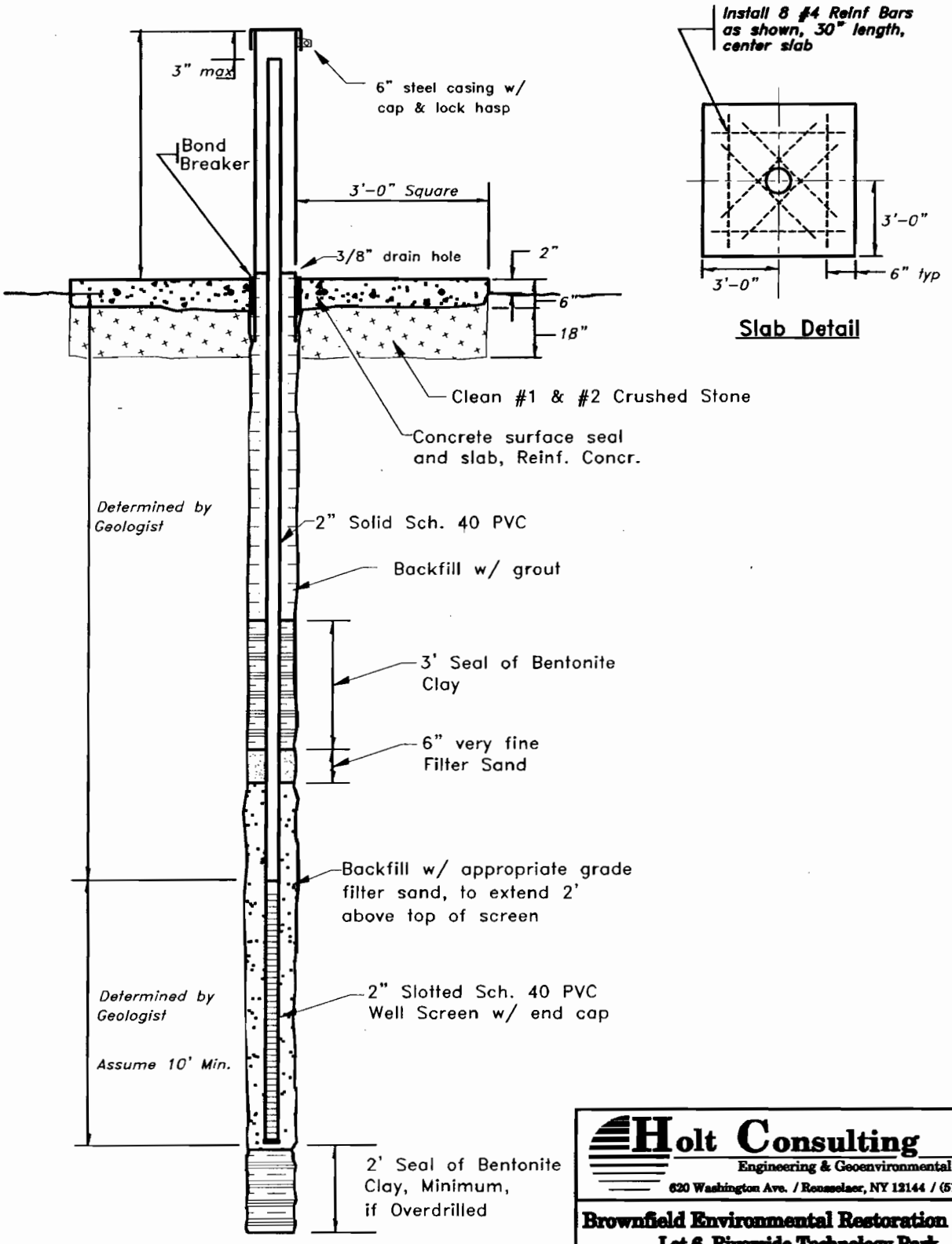
Depth (ft.)	HC-1	HC-2S	HC-3	HC-4D	HC-5	HC-6
0 – 2	5.5	13.8	0.0	1.4	1.3	7.9
2 – 4	2.3	2.4	0.0	0.2	8.2	37.9
4 – 6	4.7	NA	2.2	0.9	1.3	11.2
6 – 8	2.4	656	0.4	0.8	0.4	1,360
8 – 10	2.7	206	1.0	151	383	573
10 –12	2.3	336	0.0	169	1,287	1,717
12 – 14	2.0	52.4	0.0	103	1,018	375
14 – 16	2.2	46.9	1.1	22.2	334	7.7
16 – 18	2.1	15.8	0.0	10.7	554	17.8
18 – 20	2.0	9.2	0.3	4.5	253	
20 – 22	2.0	9.6	0.0	3.9	0.5	
22 – 24	2.1		0.0	8.0		
24 – 26	2.0		0.0	8.3		
26 – 28	2.1			1.9		
28 – 30	2.2					
30 – 32	6.0					
32 – 34	2.6		NA = Not Available			
34 – 36	2.2					

2.4 Installation of Ground Water Monitoring Wells:

Following their completion, each of the eight (8) soil borings was converted into a ground water monitoring well in accordance with NYSDEC-accepted standards. Specifically, each monitoring well consisted of 2-inch diameter polyvinyl chloride (PVC) casing with a maximum 12-foot length of 10-slot screen section. Prior to the installation of the monitoring well screen section, the borehole annulus was backfilled (if necessary due to overdrilling) with bentonite chips to a depth of 0.5 feet below the base of the screen section. A 6-inch layer of sand was then placed in the borehole and the PVC well screen and riser pipe sections were inserted into the borehole. The borehole annulus was then backfilled with a washed silica sand pack that extended from the base of the boring to 1.0 to 2.0 feet above the top of the screened section, as illustrated on enclosed Figure No. 99-158.01-S3. A minimum 1-foot layer of bentonite pellets or flakes was placed on top of the sand pack, followed by a bentonite-cement grout slurry that extended to the ground surface.

A vented, locking protective steel casing cover was placed over the PVC stick-up portion of each well. In addition, a reinforced concrete pad was constructed around the outside of the protective steel casing to drain water away from the well and to protect against frost heave.

welldtl



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Brownfield Environmental Restoration Project
Lot 6, Riverside Technology Park
City of Schenectady, New York

Monitoring Well Construction Diagram

Dwg. By: JRH	Chk. By: JRH			
Scale: N.T.S.	Date: 2/2/00	Dwg. No.: 99-158.01-S3	Sheet No.: 1 of 1	

Following the completion of well installation activities, the location, ground surface elevation, and top of casing elevation of each newly installed monitoring well was field surveyed to the nearest 0.01 foot msl by Capital District Surveyors' of Schenectady, New York and plotted on the Field Investigation Location Plan (Drawing No. 01-158.03-1).

2.5 Surface Soil Sampling and Testing:

At each of the eight (8) soil boring locations, a soil sample was collected from the ground surface prior to the initiation of drilling activities and submitted within 48 hours of collection to Chemtech for the testing of the full list of Target Compound List (TCL) and Target Analyte List (TAL) parameters, in addition to Total Petroleum Hydrocarbons (TPH), in accordance with the laboratory methods and procedures outlined in the Quality Assurance Project Plan (QAPP) in Appendix G of the Work Plan.

2.5.1 Supplemental Surface Soil Sampling and Testing:

One surface soil sample from initial investigations indicated the presence of the toxic metal Arsenic considerable above the applicable SCG (TAGM 4046). The original sample location was covered with the related monitoring well maintenance pad (Well HC-6), however the area was re-sampled a three locations at the edges of the existing pad to test the validity of the original result. These three samples of surface soil were analyzed for the metal Arsenic during Phase III investigations.

2.6 Ground Water Sampling and Testing:

Following the completion of well development activities, representative ground water samples were collected from each of the newly installed monitoring wells on September 7, 2000, and submitted to Chemtech within 48 hours of collection for the analysis of the full list of Target Compound List (TCL) and Target Analyte List (TAL) parameters, in addition to Total Petroleum Hydrocarbons (TPH).

Each of the wells *except* HC-1 and HC-3 was re-sampled on September 28, 2001, the VOC and SVOC compounds on the Target Compound List (TCL) and Total Petroleum Hydrocarbons (TPH).. In addition, the sample from well HC-5 was analyzed for the Target Analyte List (TAL) metal parameters. Several of the wells were re-sampled on August 8, 2002 for testing of organic constituents (Phase III).

2.7 In-Situ Hydraulic Conductivity Testing:

In-situ hydraulic conductivity tests were performed on each of the newly installed monitoring wells for the purpose of determining the permeability of the various geologic formations encountered at the site. The field permeability tests were performed in accordance with the procedures outlined in Appendix C of the QAPP (see Work Plan).

2.8 Supplemental Geoprobe Borings

2.8.1 Supplemental Geoprobe Borings (Phase II)

Upon preliminary review of laboratory test results performed on soil samples from the installed ground water monitoring wells, and samples of ground water from those wells, the NYSDEC requested that additional investigation be carried out in the vicinity of monitoring well HC-4s to delineate ground water contamination by organic constituents, and in the vicinity of monitoring well HC-5 to confirm and delineate contamination by organic constituents and apparent contamination with TAL metals.

To provide additional ground water samples in each of these areas, ground water samples were retrieved from six (6) direct push soil borings ("Geoprobes"). In this method, a hollow drill casing is advanced through surficial soils to an elevation below the water table. A sanitized screened section of stainless steel pipe is inserted into the soil boring, below the hollow casing, and a water sample is withdrawn from within the screened section by dedicated small diameter plastic tubing with a systolic ground water sampling pump.

On September 28, 2001, the geoprobe investigation was performed by Aquifer Drilling and Testing, Inc. Three geoprobes were advanced in each location, generally in a triangular pattern surrounding well HC-4s (Geoprobe Nos. HC-4-1, -4-2, and 4-3) and HC-5 (Geoprobe Nos. HC-5-1, -5-2, and -5-3). These locations are presented on Drawing No. 01-158.03-1, "Field Investigation Location Plan". Following the completion of geoprobe advance, representative ground water samples were collected at an elevation at the approximate center of the installed adjacent well screen, at the following depths below ground surface:

HC-4-1	12-16 Ft.	HC-5-1	10-14 Ft.
HC-4-2	12-16 Ft.	HC-5-2	10-14 Ft.
HC-4-3	16-20 Ft.	HC-5-3	10-14 Ft.

Ground water samples were submitted to Chemtech within 24 hours of collection for the analysis of the full Target Compound List (TCL) and Total Petroleum Hydrocarbons (TPH).for the each geoprobe sample, and Target Analyte List (TAL) metals for samples from the geoprobes surrounding Well HC-5 (Geoprobe No. HC-5-1, -5-2, and -5-3).

2.8.2 Supplemental Geoprobe Borings (Phase III)

Review of the results of the initial soil borings and the ground water samples and the results of Phase II and Phase IIa investigations, as well as further consideration of the potential impact of the imported Western Fill soils, indicated the need for additional investigations of l the sub-Fill soils in this area. Eight geoprobe soil borings were advanced to sample soils at the location of several previous Fill soil test pits (FS-2, FS-4, and FS-6), soil gas test locations (B-10 and C-10), and three Lot 6 perimeter locations. One geoprobe ground water sample was retrieved and tested from one of the perimeter locations (HC-8).

Phase III geoprobe designations and total depths were as follows:

FS-2: 8 ft.	HC-7: 20 ft.	B-10: 12 ft.
FS-4: 8 ft	HC-8: 20 ft.	C-10: 12 ft.
FS-6: 14 ft	HC-9: 14.5 ft.	

2.9 Soil Gas Survey

To further identify and delineate the presence of petroleum contamination in soils on the Lot 6 site a soil gas survey was added to the site investigation Work Plan to detect the presence of volatile organic compounds (VOCs) within the soil vapor above the water table. The identification of VOCs within the soil gas was used as an indication of the presence of petroleum compounds and was the basis for the recommendation of further soil sampling and testing in limited areas to confirm the presence of petroleum contamination.

Soil gas samples were taken from a depth of approximately 3 to 4 feet below the ground surface, at locations of intersection of an orthogonal grid of 50-foot interval throughout the Lot 6 site. This grid is presented on Drawing No. 01-158.03-1, "Field Investigation Location Plan," with north-south grid lines "A" through "D" and east-west grid lines "No. 1" through "No. 11." Collected soil gas was analyzed for VOCs utilizing a portable gas chromatograph, with detected and identified compounds reported in parts per billion, ppb. A summary of this data is presented on Drawing No. 01-158.03-6, "Organic Vapor in Soil Gas."

The gas sampling and analysis procedure is described in the Soil Gas Survey Report, prepared by Specialized Environmental Monitoring (SEM), and included in Appendix 8.

2.10 Supplemental Test Pits & Soil Testing (Phase IIa)

A supplemental soil sampling program was advanced to confirm the contaminant-source indicated by the soil gas survey. This program consisted of the taking of soil samples to determine the presence of petroleum contamination in discrete areas in which the soil gas survey indicated the significant presence of VOCs. Test excavations were advanced by Environmental Cleanup solutions, Inc. on November 16, 2001, utilizing a backhoe in suspected areas of contamination to confirm or refute the soil gas survey determination, as evidenced by visual, olfactory or portable photo-ionization detector (PID) in the test excavations at eight locations. These included one location (HP-A8) in an area exhibiting no detection of VOCs in the soil gas survey to serve as a background check of excavation field screening. This location was also generally coincident with former test pit no. TP-11/22-8 of the November 1996 EHC investigation program and provided an opportunity to confirm the findings of that investigation. Test pit locations are presented on Drawing No. 01-158.03-7, "Organics in Supplemental Test Pits & Impacted Soil Delineation". The test pit excavations were to be advanced no lower than the water table, and were generally limited to less than eight feet depth. Excavated soils were visually examined and screened by PID as they were removed from the excavation. If positive (for contamination) visual, olfactory, or PID indications were apparent, then representative soil samples were taken of the suspected contaminated soil, and submitted to Chemtech within 24 hours of collection and analyzed for of VOC and SVOC compounds of the list of Target Compound List (TCL) and Total Petroleum Hydrocarbons (TPH) on a total weight basis. Supplementary Test Pit logs are presented in Appendix 9.

The determined soil contamination concentrations were compared to the concentrations of soil gas contamination to correlate soil gas determinations to confirmed soil contamination, and to provide direct indications of the contaminant concentrations and the soil quantities likely affected.

3.0 SITE CHARACTERISTICS

3.1 Land Use/Surface Condition/Vegetation:

The site is undeveloped and unimproved, clear and open with the exception of about a 30-foot wide line of young sapling and brush vegetation along the northwestern property line, and several small clumps of sumac growth. Site grades provide a gently slope, generally to the north, with the western section of fill soils raised above the remainder of the site by a moderately steep slope of from three to four feet. The ground surface is comprised of sandy and gravelly soils with included fill materials, and supports a sparse growth of grasses and annual vegetation. There is no well developed soil profile or layer of topsoil.

3.2 Surface Water Hydrology:

Drainage of surface water from precipitation or snowmelt is by overland sheet flow over the existing surface, generally from south to north, and by direct infiltration into the subsurface. There is no developed system of rills, swales, or other drainage courses to direct drainage other than the existing ground slope. Curbing at the edge of Technology Drive and adjacent site grading prevents water runoff from entering the site from that roadway.

3.3 Site Geology:

Examination of the soil boring logs contained in Appendix 1 of this report reveal that the entire project site contains a surficial layer of miscellaneous fill material that varies in thickness from approximately 3.0 feet (borings HC-1, HC-2S, HC-3) to perhaps as much 10.0 feet (boring HC-5). The fill material is characterized as consisting primarily of gravel and shale pieces in a silty sand matrix, with a trace fraction of brick fragments. Underlying the fill material at boring locations HC-1 and HC-2 is a roughly 4.0 foot thick layer of fine to coarse loose sand. Sandy clay and/or sandy silt exists underneath the fill material at the remaining boring locations. At the HC-6 boring location, this silty sand deposit was observed to contain a high percentage of gravel and cobbles, and, as noted on the enclosed boring log, was described as being "soupy".

With the exception of boring locations HC-1 and HC-6, a layer of silty sand was observed to exist below each of the above noted deposits. The thickness of this particular geologic unit varied from approximately 2.5 feet at boring location HC-3, to roughly 11.5 feet at boring location HC-2. At boring HC-1, an approximately 19.0-foot thick layer of silty clay was encountered underneath the previously described fine to coarse sand deposit, while at the HC-6 boring location the above noted "soupy" and gravelly silty sand unit extends down to the glacial till deposit described below.

Underlying the deposit of silty sand at boring locations HC-2D, HC-3, HC-4D, and HC-5 is a relatively thin layer of coarse gravel that was observed to contain rounded to semi-rounded rock fragments of igneous origin. This 2.0 to 3.0 foot thick deposit of coarse gravel was also noted to contain shale fragments and be saturated. With the exception of boring location HC-1, a thin layer of dense glacial till was found to exist immediately underneath the saturated layer of coarse gravel and rock fragments. At boring HC-1 shale bedrock was noted to underlie the coarse gravel deposit.

Shale bedrock was encountered at depths ranging from 16.15 feet (boring HC-6) to 35.8 feet (boring HC-1) at the project site. Rock core samples (5.0-foot length) of the shale bedrock were retrieved from borings HC-2D, HC-3, HC-4D, and HC-5. Examination of the rock core samples retrieved from borings HC-4 and HC-5 revealed the presence of unweathered, competent shale bedrock with few fractures. The rock core sample retrieved from boring HC-3, however, was highly fractured, with the rock core sample obtained from boring HC-2 displaying an isolated zone of moderate fracturing. The presence of a fracture zone in the shale bedrock encountered at the HC-2 location is further supported by the driller's observation of significant water loss (approximately 100 gallons) while coring the last couple of feet in the 5-foot core run.

Geologic conditions are presented graphically on Drawing No. 01-158.03-8, "Geologic Cross Sections."

3.4 Site Hydrogeology:

For the purpose of evaluating site hydrogeologic conditions at the Lot No. 6 parcel, a total of eight (8) ground water monitoring wells were placed at strategic locations throughout the approximately 2.44 acre parcel. As indicated on the enclosed Field Investigation Location Plan (Drawing No. 01-158.03-1), at two (2) of the designated monitoring well locations well couplets (HC-2S/2D and HC-4S/4D) were installed to allow for the determination of vertical hydraulic gradients (refer to attached Table 5). Table 4 presents pertinent well construction information for each of the eight (8) installed monitoring wells, while Table 5 contains water table elevation data collected during the period of July - September 2000, and May - November 2001.

Based on an assessment of the hydrogeologic data gathered during the field investigation program (as presented on the attached tables), the predominant direction of ground water flow at the site is to the west-northwest towards the Mohawk River. Specifically, the elevation of the water table in the shallow monitoring wells (based on water level measurements taken on 9/7/2000) ranges from a high of 228.26 feet msl at monitoring well HC-6, to a low of 226.98 feet msl at well HC-3. This is equivalent to a gradient of 0.0064 foot/foot. The ground water surface and interpreted direction of flow (from well level data of May 1, 2001) are presented on Drawing No. 01-158.03-3, "Ground Water Surface."

TABLE 4.
MONITORING WELL CONSTRUCTION DATA
Lot No. 6, Riverside Technology Park
Schenectady, New York

Monitoring Well No.	Top PVC Elevation	Ground Elevation	Boring Depth	Screened Interval Depth	Top Elev.	Bot. Elev.
HC-1	235.07	232.39	35.8	4 - 14	228.39	218.39
HC-2S	233.90	231.39	22.0	4 - 14	227.39	217.39
HC-2D	234.08	231.56	36.5	24 - 29	207.56	202.56
HC-3	232.41	230.07	34.0	9 - 19	221.07	211.07
HC-4S	236.52	234.20	17.5	7 - 17	227.2	217.2
HC-4D	236.18	234.21	35.0	28 - 33	206.21	201.21
HC-5	240.18	237.91	27.0	6 - 18	231.91	219.91
HC-6	236.00	233.27	16.2	5 - 15	228.27	218.27

Note: Elevations are in feet above mean sea level (msl).
Depths are in feet below the ground surface.

TABLE 5.
WATER TABLE ELEVATION DATA
Lot No. 6, Riverside Technology Park
Schenectady, New York

Monitoring Well No.	HC-1	HC-2S	HC-2D	HC-3	HC-4S	HC-4D	HC-5	HC-6
Top of PVC Elevation	235.07	233.90	234.08	232.41	236.52	236.18	240.18	236.00
Ground Surface Elev.	232.39	231.39	231.56	230.07	234.20	234.21	237.91	233.27
7/24/00	228.14							
7/25/00	227.69						229.91	228.37
7/26/00	227.44						228.56	228.47
7/27/00	227.44					226.46	228.49	228.47
7/28/00	227.44				227.85	226.73	228.56	228.42
7/31/00	227.36	226.84		227.19	227.75	226.71	228.38	228.27
9/1/00			225.82			226.41		
9/7/00	227.70	227.09	225.87	226.98	227.60	226.33	227.93	228.26
5/1/01	228.51	228.34	226.7	228.16	229.39	227.81	230.07	229.42
9/27/01		224.51	223.93		225.26	224.23	225.62	226.25
11/16/01	225.47	222.6	222.64	223.52	223.76	222.83	224.18	224.76
8/7/02	226.96	226.33	224.77	225.95	225.95	226.66	227.17	227.34

Elevations are in feet above mean sea level.

The elevation of the water table on November 10, 2001 in the shallow monitoring wells ranges from a high of 225.47 feet msl at monitoring well HC-1, to a low of 222.60 feet msl at well HC-2s.

A comparison of the water level readings taken from the two (2) deep monitoring wells (HC-2D and HC-4D) in September 2000 indicates that (for at least the northwestern portion of the site) the predominant direction of ground water flow is to the north. The horizontal gradient of the water table between these deeper monitoring wells is 0.0015 feet per foot. As indicated on Table 6, the September 2000 vertical hydraulic gradient was calculated to be 0.07 feet/foot downward at each well cluster location.

Table 6
Vertical Hydraulic Gradient Calculations

Monitoring Well No.	Static Water Elevation	Head (ft.) (Hs – Hd)	Screen Midpt. Elevation	Vertical Dist. (ft.)	Vertical Hydraulic Gradient (ft./ft.)
HC-2s	227.09		222.39		
		1.22		17.30	0.07
HC-2d	225.87		205.06		
HC-4s	227.60		222.20		
		1.27		18.49	0.07
HC-4d	226.33		203.71		

Water table elevations measured on 9/7/00
Elevations in feet above mean sea level; (msl)
Hs = Shallow well piezometric surface
Hd = Deep well piezometric surface

Note that the vertical gradient evident at each well pair was reduced (in fact reversed in the HC-2 pair) at the time of the November 2001 measurement, indicating a separation between the upper and lower ground water systems.

In-situ permeability testing was conducted on each newly installed monitoring well via the performance of rising head slug tests. Specifically, water level readings were collected from each monitoring well at 2 second intervals with the use of a Solinst Brand Levellogger instrument following the instantaneous removal of an 8-foot long solid PVC slug. The raw field data presented in Appendix B was then analyzed using the equation shown below (ref. page 105 of the Department of the Navy Soil Mechanics Design Manual 7.1 dated May 1982):

$$K=[(R^2)/(2L(t_2-t_1)]\ln[L/R]\ln[H_2/H_1]$$

where:
K = the coefficient of permeability (in centimeters per second)
R = radius of the borehole (in feet)
L = length of the sandpack zone encompassing the screen (in feet)
t_1 = time of initial head measurement (in minutes)
t_2 = time of second head measurement (in minutes)
H_1 = depth to water in well at time t_1 (in feet)
H_2 = depth to water in well at time t_2 (in feet)

Utilizing the pertinent well construction information for each of these monitoring wells as noted on the boring logs contained in Appendix 1, and incorporating the recorded water level readings included in Appendix 2, the following permeability values were calculated:

Well HC-1: 1.03×10^{-4} cm/sec
Well HC-2S: 8.98×10^{-4} cm/sec
Well HC-3: 6.84×10^{-4} cm/sec
Well HC-4S: 2.80×10^{-3} cm/sec
Well HC-5: 5.40×10^{-3} cm/sec
Well HC-6: 1.45×10^{-2} cm/sec

It should be noted that the analysis and interpretation of hydrogeologic conditions at the project site is made more difficult due to the disturbance and alteration of native soils as a result of previously documented construction activities. Specifically, a City of Schenectady main trunk sewer line was constructed along the northwest border of the site during the 1970's. Preceding this activity was the construction of the Sousa Petroleum Bulk Storage facility prior to the 1960's, including tank and building foundations, and pipeline and utility trenches. An additional potential impact on ground water flow conditions at the site is the presence of the former Erie Canal.

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Characterization of Fill Material in the Western Portion of Lot No. 6:

Presented below are the results of the initial fill material test pit investigation performed by Holt Consulting on June 29, 2000. The purpose of this particular aspect of the Brownfields investigation, as outlined in Section 4.4.3 of the Site Investigation/Remedial Alternatives Work Plan, was to ascertain the depth of the fill material existing in the western portion of Lot No. 6, and to characterize this material with regard to petroleum contamination. Examination of the enclosed Test Pit Excavation logs (Appendix 3) reveal that the test pits varied in depth from 2.0 feet (Test Pit FS-1) to 4.5 feet (Test Pit FS-4) below the ground surface, with a discernable layer of fill material being encountered at each test pit location. It should be noted, however, that at test pit locations FS-1 and FS-2, the underlying native soils appeared to consist of "older fill material" of a slightly different composition, while at test pit locations FS-3 through FS-6 the native soil was composed of a tan-colored fine silty sand that was easily discernable from the overlying fill material.

At each test pit location the excavated soils were field screened with a Photoionization Detector (PID) instrument for the presence of volatile organic compounds (VOC's), in addition to being visually inspected for evidence of petroleum contamination. Some of the fill material encountered in test pits FS-3 and FS-5 was observed to be dark gray in color, possibly due to staining, with a petroleum odor noted in the soil from test pits FS-5 and FS-6. Large pieces of asphalt pavement were found to exist in the fill material at test pit locations FS-2 and FS-6. While no wide-spread or contiguous areas of petroleum contamination of the fill soils were indicated, these observations and the results of subsequent laboratory testing of soil samples indicate some contamination of discrete, disparate locations within the fill.

In accordance with the provisions of the Site Investigation Work Plan, two (2) grab soil samples were obtained from each test pit location (one sample from the fill material and one sample from the underlying native soils) and submitted to Chemtech of Edison, New Jersey for the laboratory analysis of Total Petroleum Hydrocarbons (TPH). As evidenced by examination of the attached Chemtech laboratory report (Appendix 4), and as summarized on Table 7 below, detectable concentrations of TPH were reported for each of the six (6) soil samples obtained from the fill material (designated as FS-1A through FS-6A, respectively) and for two (2) of the soil samples collected from the underlying native soils (samples FS-1B and FS-2B). As previously noted, the "native soils" encountered at test pit locations FS-1 and FS-2 were characterized by Holt Consulting as consisting of older fill material.

Table 7.
Summary of Laboratory TPH Test Results – Fill Area Test Pit Soils

Sample No.	Test Pit No.	Sample Depth (below ground)	TPH Concentration (milligrams/kilogram)
FS-1A	FS-1	0.5 ft. (fill)	230
FS-1B	FS-1	2.0 ft. (native)	270
FS-2A (FS-8A)	FS-2	2.0 ft. (fill)	230 (BDL*)
FS-2B	FS-2	4.0 ft. (native)	2,700
FS-3A	FS-3	1.5 ft. (fill)	610
FS-3B	FS-3	4.0 ft. (native)	< 33
FS-4A (FS-7A)	FS-4	4.0 ft. (fill)	4,400 (BDL*)
FS-4B	FS-4	4.5 ft. (native)	< 33
FS-5A	FS-5	3.0 ft. (fill)	96
FS-5B	FS-5	4.0 ft. (native)	< 33
FS-6A (FS-9A)	FS-6	2.0 ft. (fill)	10,000 (450)
FS-6B	FS-6	4.0 ft. (native)	< 33

*No TPH Determination, VOC & SVOC by EPA 8021/8270 below MDL

The above noted soil concentrations, which are expressed on a dry weight basis and equivalent to parts per million (ppm), reveal that the fill material transported from the Lot No. 5 parcel contains petroleum-derived constituents, and therefore should not be considered as clean fill material. However, it does not appear that the placement of the fill material in the western portion of Lot No. 6 has had a detrimental impact on the chemical quality of the underlying native soils. The presence of petroleum constituents in the material underlying the fill at test pit locations FS-1 and FS-2 are in each case of higher concentration than that in the fill material. Given this and that the "native soils" present at test pit locations FS-1 and FS-2 apparently consist of pre-existing fill material, it is very possible that subsurface petroleum contamination previously existed in the surficial deposits in this area of Lot No. 6 prior to the placement of the fill material from the Lot No. 5 parcel.

Upon examination of the above noted findings, Mr. Keith Goertz of the NYSDEC Region 4 office requested that three (3) additional grab soil samples be obtained from the same locations where previous fill material soil samples FS-4A, FS-2A and FS-6A had been obtained.

Specifically, soil sample FS-7A was collected at a depth of approximately 4.0 feet below the ground surface at the FS-4A sampling location, soil sample FS-8A was obtained at a depth of roughly 2.0 feet below the ground surface at the FS-2A sampling location, and soil sample FS-9A was collected just below the ground surface at the FS-6A sampling location (refer to the Field Investigation Plan).

At the Department's direction, soil samples FS-7A and FS-8A were submitted to Chemtech for laboratory analysis in accordance with EPA Methods 8021 and 8270 (STARS), while soil sample FS-9A was submitted for the full list of TCL/TAL parameters, including Total Petroleum Hydrocarbons (TPH). Examination of the laboratory results for soil samples FS-7A and FS-8A, which are presented in Appendix 4, reveal that all of the reported parameter concentrations for volatile and semi-volatile constituents were found to be below the Method Quantitation Limit (MQL). The lab results for soil sample FS-9A were similar, with a concentration of 450 milligrams per kilogram (mg/kg) being reported for TPH. These results are summarized below, all in ppb:

	FS-7A	FS-8A	FS-9A	SCG
VOC Target List	None	None	None	
VOC TICs	n/a	n/a	55 J	10,000
SVOC Target List	None	74 J	526 J	
SVOC TICs (Total)	7,420	11,030	5,060	500,000

SCG: TAGM 4046, Sum of all Organic Compounds
"J" indicates estimated values below MQL

Of note are the results of laboratory testing of shallow (surface) soil boring samples HC-4A and HC-5A, in which were found detectable concentrations of several Semi-VOCs. In addition PCBs were identified in HC-5A (220 ug/kg (0.22 ppm) Arochlor-1260), and HC-4A (40 ug/kg (0.04 ppm) Arochlor-1016 and 40 ug/kg (0.04 ppm) Arochlor-1260).

4.1.1 Supplementary Geoprobe Fill Soil Samples (Phase III)

As a part of Phase III investigations additional soil samples were taken of the imported Western Fill to further delineate petroleum contamination of these soils. Specifically, soil samples were retrieved from former test pit locations FS-2, FS-4, and FS-6 and soil survey grid locations B-10 and C-10. These samples were field screened for VOC vapors and submitted for laboratory determination of TPH as well as VOC and Semi-VOC compounds. Sample designations, field PID VOC screening, and TPH determinations are presented in Table 7A. Complete laboratory results are presented in Appendix 4, and summarized in Tables 9A and 10A. Geoprobe boring logs are included in Appendix 3.

Table 7A.
Summary of Field PID & TPH Test Results –Geoprobe Fill Soil Samples

Sample No.	Sample Depth (below ground)	Field PID (ppm)	TPH Concentration (milligrams/kilogram, ppm)
HC-7/S2	2.0 ft. (fill)	2.9 – 3.6	N/A
HC-7/S3	3.0 ft. (fill)	34 - 75	N/A
HC-8/S2	2.0 ft. (fill)	45 - 52	N/A
B-10-A	2.0 ft. (fill)	4.0	N/A
B-10-B	3.5 ft. (fill)	12 - 31	220
C-10-A	2.0 ft. (fill)	37 - 75	230
C-10-B	3.5 ft. (fill)	38 - 44	BDL
FS-2AA	2.0 ft. (fill)	65 - 72	N/A
FS-2A	4.0 ft. (native)	6.6 – 7.5	2,300
FS-4A	2.0 ft. (fill)	13 - 20	BDL
FS-4B	4.0 ft. (native)	12 - 31	90
FS-6A	1.5 ft. (fill)	4.0 – 6.0	1,100
FS-6B	2.7 ft. (fill)	9 - 10	5,200

The TPH determination in sample Phase III sample FS-2A at 2,7300 ppm was very close to the initial sampling result of 2,700 ppm, indicating the probable presence of contaminated native soils at this location. The TPH determinations in Phase III samples FS-4A&B, and FS-6A&B did not reproduce the earlier results, presenting a much weaker indication of petroleum contamination (BDL vs 4,400 ppm for FS-4 and 1,100 to 5,200 ppm vs 10,000 ppm for FS-6). In addition, no Target List VOCs were identified above the laboratory method detection limit in any of the samples (Table 9A).

Several Semi-VOC s were identified in several of the Phase III Fill samples. In all cases but one (C-10-A), these were detected below the method quantitation limit, and well below the STARS SCG for protection of human health (C_h). The indicated contaminant levels for several individual Semi-VOCs were above the acceptable levels indicated in TAGM 4046 (Table 10A). In all cases Total Organic Compounds, including identified Target Compounds plus Tentatively Identified Compounds (TICs) were well below the TAGM acceptance level of 10,000 ppb for VOCs and 500,000 ppb for Semi-VOCs.

4.2 Lot No. 6 Soil Quality Characterization

4.2.1 Soil Boring Samples

In accordance with the Department-approved Site Investigation/Remedial Alternatives Work Plan, field screening of retrieved split-spoon samples with a Photoionization Detector (PID) instrument and analytical laboratory testing of select soil samples was performed in order to check for the presence of contamination in the on-site soils. Table 8 presents PID instrument readings taken on procured split-spoon soil samples obtained during the advancement of the on-site soil borings.

Table 8.
Soil Sample Designations For Laboratory Analysis

Soil Sample No.	Soil Boring No.	Collection Depth	PID Reading
HC-1A	HC-1	0.0 ft - 2 inches	5.5
HC-1B	HC-1	8.0 ft - 10.0 ft	2.7
HC-2A	HC-2	0.0 ft - 2 inches	13.8
HC-2B	HC-2	4.0 ft - 6.0 ft	33.0
HC-2AA*	15' W of HC-2	0.0 ft - 2 inches	NA
HC-2BB*	15' W of HC-2	approx. 5.0 ft	NA
HC-3A	HC-3	0.0 ft - 2 inches	0.0
HC-3B	HC-3	4.0 ft - 6.0 ft	2.2
HC-4A (Fill)	HC-4	0.0 ft - 2 inches	1.4
HC-4B	HC-4	10.0 ft - 12.0 ft	169
HC-5A (Fill)	HC-5	0.0 ft - 2 inches	1.3
HC-5B	HC-5	10.0 ft - 12.0 ft	1287
HC-6A	HC-6	0.0 ft - 2 inches	7.9
HC-6B	HC-6	10.0 ft - 12.0 ft	1717
HC-7A	HC-3	0.0 ft - 2 inches	0.0

* Soil samples HC-2AA and HC-2BB were collected by Holt Consulting personnel from a hand-dug pit located approximately 15 feet to the west of monitoring well HC-2 upon being notified by Chemtech that some of the glass containers containing soil samples HC-2A and HC-2B were broken during transport to their lab in Edison, New Jersey. In fact, Chemtech was able to perform analysis of the HC-2A and HC-2B soil samples.

During the performance of the field investigation program, two (2) soil samples were collected from each completed soil test boring (a well cluster was treated as a single boring location) for submittal to Chemtech for laboratory analysis. Specifically, at each test boring location a soil sample procured from just below the ground surface was considered the "surface sample." A second soil sample from the sub-surface was collected at a designated depth based on the field measured sample PID readings for that particular boring (generally the highest), or other suspect criteria. Note that soil sample HC-7A in the laboratory reports is a duplicate of soil sample HC-3A. Soil sample HC-7A was submitted to Chemtech for Quality Assurance/Quality Control (QA/QC) purposes. As summarized in the table below, the following samples were chosen for testing.

4.2.1.1 Surface Soil

Testing of surface soil samples did not indicate any positive determinations for Target List VOCs (Table 9), and only two samples indicated positively for Target List Semi-VOCs (Table 10). These were HC-4A (410 ppb Fluoranthene) and HC-5A (510 ppb Pyrene). It should be noted that HC-5A is a sample of the Imported Western Fill. Several of the surface samples indicated additional organic compounds, either estimated below the procedure MQL or tentatively identified below the procedure MDL. The estimates of sample Total Organic Compounds (TOCs) are summarized in Table 21, ranging from 20 ppb to 110 ppb for VOCs and from 62 ppb to 2,867 ppb for Semi-VOCs. All of these indications are well below the acceptance levels indicated in the applicable SCGs of TAGM 4046.

One of the surface samples (HC-5A in the Western Fill) indicated positively for the pesticide Endrin aldehyde, at a very low level of 11 ppb. Two samples, both in the Western Fill, indicated positively for PCBs. These were HC-5A at 220 ppb (Arochlor-1260) and HC-4A, two indications at 40 ppb (Arochlors 1016 and 1260, each) (Table 11). These levels do not exceed action levels indicated by TAGM 4046 or by applicable SCGs for PCB exposure.

Determinations of inorganic constituents of the soil samples, including toxic metals, are presented in Table 12. All metals are within ranges typical of area soils and are considered consistent with background values with one exception. The shallow sample HC-6A was reported to contain Arsenic at 53.6 ppm, considerably higher than the TAGM 4046 acceptable value of 7.5 ppm (or background).

4.2.1.2 Sub-Surface Soil

Examination of the recorded PID values reveal that distinct zones of subsurface soil contamination, comprised in part of unspecified volatile organic compounds (VOC's), were found to exist at varying depths in borings HC-2S, HC-4D, HC-5, and HC-6.

The results of soil quality testing performed on soil boring samples by Chemtech Labs are summarized in Tables 9, 10, 11, and 12. Examination of the VOC parameter concentrations displayed on Table 9 reveal that with the exception of detectable concentrations of Ethylbenzene (25,000 ug/kg), Total Xylenes (89,000 ug/kg), and o-Xylene (3,600 ug/kg) in soil sample HC-2BB, all of the reported constituent levels were found to be below the procedure MDL. In addition to the above, the laboratory analysis indicated tentatively identified compounds (TIC's) which are presented with the laboratory data in Appendix 5, and summarized in Table 21. Each of these indicates soil contamination below the applicable SCGs presented in TAGM 4046.

Table 10 presents a summary of the reported concentrations for the analyzed semi-volatile compounds for each tested soil sample. A total of seven (7) different constituents were detected, with Fluorene being present in soil samples HC-2B (850 ug/kg) and HC-5B (690 ug/kg), n-Nitrosodiphenylamine being present in soil samples HC-2BB (1,200 ug/kg) and HC-5B (1,300 ug/kg), and Phenanthrene occurring in soil samples HC-2B (1,700 ug/kg) and HC-5B (1,300 ug/kg). In addition, soil sample HC-2BB had detectable levels of Naphthalene (5,700 ug/kg) and 2-Methylnaphthalene (4,900 ug/kg). In addition to the above, the laboratory analysis indicated tentatively identified compounds (TIC's) which are presented with the laboratory data in Appendix 5, and summarized in Table 21. Each of these indicates soil contamination below the applicable SCGs presented in TAGM 4046.

Examination of Table 11 reveals that no detectable concentrations of PCB's or pesticides were found to be present in any of the sub-surface soil boring samples. Test results from soil boring samples for the analysis of the various inorganic parameters, including toxic metals, and Total Petroleum Hydrocarbon (TPH) are depicted on Table 12. All metals are within ranges typical of area soils and are considered consistent with background values. While the constituent of TPH was found to be present at detectable levels in each of the tested soil samples, the concentrations reported for soil samples HC-2B (3,600 mg/kg), HC-2BB (5,700 mg/kg), and HC-5B (3,000 mg/kg) are considered noteworthy.

A summary of the identified contaminant compounds of concern relative to applicable SCGs is presented in Tables 20A and 20B. Laboratory reports of test results for organic compounds in soil samples are attached in Appendix 5, and summary totals are presented on Drawing 01-158.03-2, "Soil Contaminants (Soil Borings & Fill Test Pits)."

4.2.2 Supplementary Test Pit Samples (Phase IIa)

A total of seven (7) supplementary test pits were excavated at locations immediately adjacent to soil gas sample locations or at mid-points between soil gas grid lines. In each case test pits were advanced until saturated conditions were encountered (generally about eight feet) indicating the elevation of the water table. Excavated soils were screened with a PID to confirm the presence of organic vapors within the soil and to lend guidance in the taking of soil samples for laboratory testing. Specifically, test pits were advanced and soil samples were taken as presented in Table 8A.

Test pit locations and test data summaries are presented on Drawing No. 01-158.03-7, "Organics in Supplemental Test Pits & Impacted Soil Delineation."

Soil samples were tested for VOCs, Semi-VOCs and TPH, with results as presented in Tables 18 (VOCs) and 19 (SVOCs). The sum of Tentatively Identified Compounds (TICS) for both VOCs and SVOCs, and TPH, are also presented on these tables, and are summarized in Table 20.

Examination of Table 18 reveals that detectable concentrations of TCL VOCs were present in only one test pit soil sample, the sample from HP-A5. Detectable compounds were Ethylbenzene (at 17,000 ug/kg), m&p-Xylenes (at 55,000 ug/kg.), and o-Xylenes (at 2,300 ug/kg.). VOC TICS were detected for each of the soil samples, and the sum of the estimated compound concentrations for each sample ranged from 112,000 ug/kg. to 281,000 ug/kg.

Examination of Table 19 reveals that detectable concentrations of TCL Semi-VOCs were present in each of the test pit soil samples. The compounds detected at the highest concentrations were Naphthalene, detected in the sample from HP-A5 at 10,000 ug/kg, and 2-Methynaphthalene, detected in each of the samples at from 2,900 ug/kg to 25,000 mg/kg. A total of ten other TCL compounds were detected, although many are reported as estimated concentrations below the compound MQL. SVOC TICS were detected for each of the soil samples, and the sum of the estimated compound concentrations for each sample ranged from 27,890 ug/kg. to 39,960 ug/kg. TPH concentrations were present in each sample at from 2,500 mg/kg (ppm) to 7,200 mg/kg, all noteworthy.

The results of soil tests are referenced to TAGM 4046 as the SCG Standard. Both individual and cumulative SCGs for VOCs were exceeded as well as cumulative SCGs for Semi-VOCs. These were the only SCG exceedances for VOC content in soils in the testing performed for the Lot 6 parcel.

Table 8A.

Supplementary Test Pit Soil Sample Designations For Laboratory Analysis

Test Pit	Location	Depth.	PID (ppm)	Sample Depth	Total Depth
HP-A5	grid pt. A-2	0.5	4-8		
		2.5'	300-600		
		3.5'	600-800		
		4.5'	500-1,200		
		6.0'	2,000	6.0 ft.	6.5 ft.
HP-AB2.5	Mid-pt. betw.	0.5	4-8		
	Lines A/B &	2.5'	20-40		
	Lines 2/3	3.5'	60-160		
		4.5'	200-300	5.0 ft. (TPH only)	6.5 ft.
HP-AB8.5	Mid-pt. betw.	0.5	1-3		
	Lines A/B &	2.5'	1-3		
	Lines 8/9	3.5'	1-3		
		4.5'	1-3		
		6.0'	1-3	No Sample	6.0 ft.
HP-B2	grid pt. B-2	1.5	1-5		
		4.0	30-135	5.0 ft.	6.7 ft.
HP-B2.5	grid line A	0.5	4-8		
	Mid-pt. betw.	2.5'	20-40		
	Lines 2/3	3.5'	60-160		
		4.5'	200-300	5.0 ft.	6.5 ft.
HP-B4	grid pt. B-4	0.5	3-8		
		1.5'	130-190		
		2.5'	1,300	4.0 ft.	
		5.5'	1,500	7.0 ft.	7.0 ft.
HP-B5	grid pt. B-5	0.5	3		
		2.5'	50		
		3.5'	300		
		4.5'	340-400	No Testing	6.5 ft.
HP-C2	grid pt. C-2	0.5	1-4		
		4.5'	2-3		
		5.5'	2-3	6.0 ft. (TPH only)	6.0 ft.

This characterization of soils describes conditions present utilizing the results of the soil gas survey as an investigation location indicator. That is, utilizing the assumption that soil contamination will produce detectable organic vapor within the surrounding soil gas reasonably limited the scope of soil testing, and reasonably assumes that there is not significant petroleum contamination of soils at locations where the soil gas survey did not detect the presence of organic vapors

Laboratory reports of test results for organic compounds in soil samples are attached in Appendix 5, and summary totals are presented on Drawing No. 01-158.03-7, "Organics in Supplemental Test Pits & Impacted Soil Delineation." Test pit logs are in Appendix 9.

4.2.3 Supplementary Geoprobe Soil Samples (Phase III)

Eight geoprobe soil borings were advanced to sample soils at the location of several previous Western Fill soil test pits (FS-2, FS-4, and FS-6), soil gas test locations (B-10 and C-10), and three Lot 6 perimeter locations. One geoprobe ground water sample was retrieved and tested from one of the perimeter locations (HC-8). Geoprobe locations and test data summaries are presented on Drawing No. 01-158.03-2, "Soil Contaminants."

Phase III geoprobe sample designations, locations and depths, and field PID screening results for VOCs are presented in Table 8B, and include both Western Fill soils and sub-fill soils. Only sub-fill soils are included in the discussion below. For a discussion of the Western Fill soils, see Section 4.1.1. Soil samples were tested for VOCs, Semi-VOCs and TPH, with results as presented in Tables 9A (VOCs) and 10A (Semi-VOCs). The sum of Total Organic Compounds, including Target List and Tentatively Identified Compounds (TICS) for both VOCs and SVOCs, and TPH, are also presented on these tables, and are summarized in Table 20. Phase III results are presented in Appendix 10 for Lot No. 6 sub-soils, and Appendix 4 for Fill soils

Examination of Table 9A reveals that only two samples indicated concentrations of TCL VOCs above the procedure MQL. These were both for Acetone in low concentrations, 92 ug/kg in HC-7-10, and 130 ug/kg in HC-8-3. Tentatively identified compounds were indicated at concentrations from 6.2ug/kg to 6,520 ug/kg. These are all below the limits of the applicable SCGs of TAGM 4046.

Examination of Table 10A reveals that only one sample (C10-10) indicated concentrations of TCL VOCs above the procedure MQL. The compounds detected 2-methylnaphthalene at 1,900 ug/kg, fluorene at 740 ug/kg, and phenanthrene at 760 ug/kg. were A total of sixteen other TCL compounds were detected, although reported as estimated concentrations below the compound MQL. SVOC TICS were detected for each of the soil samples, and the sum of the estimated compound concentrations for each sample ranged from 39 ug/kg. to 35,563 ug/kg. TPH concentrations were present in each sample at from 270 mg/kg (ppm) to 5,000 mg/kg.

Table 8B.
Supplementary Geoprobe Soil Sample Designations For Laboratory Analysis

Geoprobe	Sample Ident.	Depth.	PID (ppm)	Sample Depth	Total Depth
HC-7		1.5'	2.9 – 3.6		
HC-7		2.5'	34 - 75		
HC-7		4.0'	54 - 61		
HC-7		6.0'	1.4 – 3.4		
HC-7		8.0'	21 - 23		
HC-7	S-10	10.0'	88 - 104	10.0 ft.	
HC-7		14.0'	5.8 – 6.7		
HC-7		16.0'	6.3 – 10.7		20.0 ft.
HC-8		1.5'	45 - 52		
HC-8		5.0'	2.5 – 4.0		
HC-8		6.0'	68 - 75		
HC-8		9.0'	21 - 33		
HC-8		11.0'	5 - 18		
HC-8	S-13	13.0'	285 - 550	13.0 ft.	
HC-8		17.0'	152 - 305		20.0 ft.
HC-9		3.5'	8 - 13		
HC-9		6.0'	2.6 – 2.8		
HC-9		10.0'	0 – 0.2		
HC-9	S-12	12.5'	16 - 19	13.0 ft	14.5 ft.
B-10		2.0'	4.0		
B-10	B10-B	3.0'	12 - 31	3.0 ft. (Fill)	
B-10		6.0'	39 - 52		
B-10	B10-9	9.5'	255 - 285	9.5 ft.	12.0 ft.
C-10	C10-A	2.0'	37 - 75	2.0 ft. (Fill)	
C-10	C10-B	3.5'	38 - 44	3.5 ft. (Fill)	
C-10		8.0'	0.3		
C-10	C10-10	10.0'	35 - 65	10.0 ft.	12.0 ft.
FS-2		2.0'	65 - 72		
FS-2	FS-2A	4.0'	6.6 – 7.5	4.0 ft.	8.0 ft.
FS-4	FS-4A	2.0'	13 - 20	2.0 ft. (Fill)	
FS-4	FS-4B	4.0'	12 - 31	4.0 ft.	8.0 ft.
FS-6	FS-6A	1.5'	4.0 – 6.0	1.5 ft. (Fill)	
FS-6	FS-6B	2.7'	9 - 10	2.7 ft. (Fill)	
FS-6		9.0'	320 - 620		
FS-6	FS-6-10	10.0'	171 – 235	10.0 ft.	
FS-6		11.5'	129 - 135		
FS-6		14.0'	87 - 120		14.0 ft.

The results of soil tests are referenced to TAGM 4046 as the SCG Standard. Individual and cumulative concentrations for both VOCs and Semi-VOCs were below the acceptable levels presented in TAGM 4046

4.2.4 Supplementary Surface Soil Samples (Phase III)

Three samples of surface soils were taken in the area of monitoring well HC-6 where previous testing at the well location indicated elevated levels of Arsenic. These samples were analyzed for Arsenic in an attempt to duplicate or otherwise test the validity of that previous test, and were taken as close to the original location as possible, at the perimeter of the monitor well maintenance pad. The three laboratory test values for Arsenic were reported as follows:

HC-6-2A	8.0 mg/kg (ppm)
HC-6-2B	12.2 mg/kg (ppm)
HC-6-2C	5.5 mg/kg (ppm)

When compared to the original test value of 53.6 mg/kg each of these values are very much lower and are in fact consistent with site background values and are therefore acceptable with regard to the applicable SCGs of TAGM 4046. The laboratory results are presented in Appendix 10.

4.2.5 Summary Characterization

Organic Compounds

Organic compounds as measured by TPH and the TCL analysis for VOCs and Semi-VOCs have been identified throughout the Lot No 6 parcel, however most often at concentrations below those requiring remedial action in the accordance with applicable SCGs, particularly TAGM 4046 for the Lot No. 6 Site, and STARS criteria for protection of human health, C_h, for the Imported Western Fill soils.. The organic contaminants of concern for soils are presented in Table 20-A.

It is significant that detectable measurement of Total Petroleum Hydrocarbons (TPH) in each of the analyzed soil samples, and in all but one (well HC-4) of the submitted water quality samples.

There are three definable distribution modes of significant contamination:

1. Limited, irregularly distributed Semi-VOC contamination within the Imported Western Fill soils;
2. A smear zone of Semi-VOC contaminated soils, generally in the western portion of the Lot No. 6 Site;

3. An area of VOC contaminated soil in the eastern portion of the Lot No. 6 Site, probably concentrated in a smear zone, in the general vicinity of monitoring well HC-2.

The most significant measure of contamination for distribution modes No. 2 and No. 3 are defined by the summation of all combined organic compounds (including all TCL indications and TICs), although total measured contamination was below the TAGM 4046 threshold levels of 10,000 ppb or VOCs and 500,000 ppb for Semi-VOCs. In the case of mode No. 1, both the individual threshold values for several BETX compounds, as well as the threshold for Total VOCs were exceeded.

Metals

As noted in Sections 4.2.1.1, 4.2.1.2, and 4.2.3 all inorganic parameters, including toxic metals, were below regulatory levels or were consistent with site back ground levels and levels typically found in the region, and no SCG limiting or action threshold values were exceeded.

4.3 Delineation of Soil Contamination

Examination of the PID values presented in Table 8 indicate that, at least as far as VOC constituents are concerned, some degree of subsurface contamination existed at the termination depth of borings HC-1 (36.0 feet), HC-2S (22.0 feet), HC-4D (28.0 feet), HC-5 (22.0 feet), and HC-6 (18.0 feet.). However, the depths at which the highest PID readings were recorded ranged from 6.0 feet to 20.0 feet below the ground surface. The highest incidence of indicated contamination was frequently somewhat above and/or below the ground water table, and is interpreted to indicate that most contamination is located in a smear zone situated around the elevation of the water table. The corresponding geology at this depth consisted primarily of sand and silty sand. While there were a few PID readings recorded for the upper portion of the glacial till unit, there was no evidence to suggest that petroleum contamination had migrated downward into the underlying shale bedrock formation.

Further discussion of the delineation of soil contamination is presented below, separated into two areas. The Eastern Area is taken to be generally that portion of Lot No. 6 north and east of the limit of Imported Western Fill soils. The Western Area is taken to be generally that portion of Lot No. 6 that lies beneath the Imported Western Fill soils.

4.3.1 Delineation of Eastern Area

Examination of the available results of previous studies on the Lot No. 6 property has indicated limited contamination by petroleum products but no significant contamination by hazardous constituents. Specifically, the area of contamination indicated by previous studies is limited to the area of EHC test pits TP-A and TP-11/22-7. Contamination in this area was confirmed by the current investigations as discussed further below. A second location of indicated contamination in previous studies was the presence of VOCs in the soils of test pit TP-11/22-8. This test pit is very close to boring HC-3 and supplementary test pit HP-AB8.5. Results of current investigation in these locations did not confirm the previously indicated contamination.

The lateral extent of subsurface contamination at Lot No. 6 is apparently widespread, as noted during the earlier discussion regarding the presence of TPH in most of the tested soil samples. However, based on a review of the analytical laboratory test results, the highest levels of contamination were detected in soil sample HC-2BB, which was obtained at a depth of roughly 5.0 feet below the ground surface at a location approximately 15.0 feet to the west of monitoring well HC-2S. As previously indicated in Section 4.2 (Soil Quality Characterization) of this report, several VOC and semi-VOC constituents (including TICs) which were not found to be present at the other soil sampling locations were detected at notable concentrations in soil sample HC-2BB. (In addition, the water quality samples obtained from monitoring wells HC-2S and HC-2D displayed the highest concentrations of TPH (5,900 ug/l and 4,400 ug/l, respectively).) The highest soil sample PID indication of VOCs was in the deep sample from HC-6 and laboratory testing confirmed petroleum contamination at levels lower than the HC-2BB sample. This HC-6 sample indicated contamination related to a smear zone, as indicated elsewhere on the Lot No. 6 Site.

The delineation of soil contamination over the majority of the Lot No. 6 site area relies on the history of usage and previous site investigations, and significantly on the assumption that soil contamination will produce detectable organic vapor within the surrounding soil gas. This places a reasonable limit on the scope of soil testing, and reasonably assumes that there is not significant petroleum contamination of soils at locations where the soil gas survey did not detect the presence of organic vapors.

The results of the soil gas survey indicate several discrete areas where the presence of organic vapors within the soil gas is evident, as well as several other isolated locations where trace or very low concentrations of organic vapors were detected. These areas and locations are presented on Drawing No. 01-158.03-7, "Organics in Supplemental Test Pits & Impacted Soil Delineation." The defined areas of organic vapor detection, supported by the laboratory testing of supplementary test pit samples, indicate the reasonable limit of soils significantly impacted by petroleum contamination. It is assumed that the isolated, low level indications of organics in soil gas represent petroleum constituents that are limited in scope and concentration, and do not represent significant areas of petroleum contamination.

The laboratory test results from soil samples from the supplementary test pits confirm soil contamination in the areas defined by the soil gas determinations. These include contamination by several VOCs, Semi-VOCs, and more generally by the measure of TPH. Significant contamination by VOCs exists in these areas when the sum of Tentatively Identified Compounds (TICS) is considered. A single area of very significant contamination by individual species of TCL VOCs exists in the vicinity of test pit HP-A5 and well HC-2s.

4.3.2 Delineation of Western Area

The highest Western Area PID readings were recorded at the HC-5 (1,287 ppm) boring location, and laboratory test results indicate significant petroleum contamination as measured by Total Organic Compounds (TOC) in soil samples from boring HC-5 and geoprobes HC-7, HC-8, HC-9, B-10 and C-10. Each of these soil sample HC-5B was collected at a depth of from 10.0 to 13.0 feet below the ground surface at the approximate depth of the water table, and are interpreted to be representative of conditions within a smear zone of petroleum contaminated soils. They generally had low or non-detected concentrations of Target Compounds, but significant concentrations of VOC and particularly Semi-VOC TICs. Reported concentrations of Total Organic Compound TOC's) ranged from 6,876 ug/kg (ppb) to 43,733 ug/kg, and reported TPH ranged from 210 mg/kg (ppm) to 5,000 mg/kg.

These areas of soil contamination are summarized and delineated by contours of iso-concentration of TOC's, presented on Drawing No. 01-158.03-2, "Soil Contaminants." The interpretation presents iso-concentration contours of 1,000 ug/kg 20,000 ug/kg. 30,000 ug/kg. and 40,000 ug/kg. The pattern of concentration implies a north-south linear trend about the location of C-10.

4.3.3 Delineation within Western Imported Fill

The presence of contamination of soils within the Imported Western Fill soils is limited, and is widely dispersed and very irregularly distributed. Examination of the field indications of petroleum contamination and laboratory test reports indicate significant contamination in only two areas: at test pit location FS-6 (as indicated by Total Organic compounds and nuisance characteristics, and at survey grid location C-10 (as indicated by Total Organic Compounds, several specific Semi-VOCs, and nuisance characteristics). These areas are shown on Drawing 01-158.03-2 "Soil Contaminants," however it must be noted that the limits shown are only approximated, centered upon the two sampling locations.

4.3.4 Delineation within Bitwise Parcel

Delineation of contamination on the Bitwise parcel, immediately adjacent and to the west (southwest) of the Lot No. 6 Site was considered relative to the contamination in the western area of the Lot No. 6 site to evaluate possible off-site locations of source contamination which could affect the Lot No. 6 Site. A discussion of contamination identified during previous investigations is presented in Section 1.3.7, and this information is additionally presented on Drawing No. 158.03-1A, "Previous Investigations – Indicated Contamination."

From the limited nature of the information available, the Bitwise parcel appears to exhibit contamination, at least in some areas, similar to that exhibited by the western portions of the Lot No. 6 site. That is, contamination by petroleum-derived organic compounds within the soil, probably in a smear zone around the general elevation of the water table. No greater source of contamination that might impact the Lot No. 6 Site was discerned. It is also noted that ground water flow from the adjacent Bitwise parcel is expected toward the northwest, with only a slight component towards the Lot No. 6 site (SI/RA Work Plan, Appendix A). This condition would preclude any significant transport of contamination from the Bitwise parcel into the Lot No. 6 site.

4.4 Vadose Zone Characterization

The soils present in the vadose zone, the soil region above sustained saturated conditions, are generally porous granular soils and fill, comprised predominantly of mixed sands and gravels. This zone is porous and permeable to both infiltrating and capillary water, as well as gaseous constituents (soil gas) present within the soil matrix pores. The bottom of the vadose zone is the water table surface, which fluctuates over time and was 2 to 4 feet lower in 2001 compared to 2000.

The completed soil gas survey detected areas of concentration of organic vapors, both VOCs and semi-VOCs within the soil gas at a depth of from 3 to 4 feet. These areas presumably indicate the presence of organic contaminants within the soil in those areas. The summarized soil gas data is presented on Drawing No. 01-158.03-6, "Organic Vapor in Soil Gas," and is presented in Appendix 8. Subsequent testing of soil samples taken from the supplementary test pits confirmed the presence of contamination within the soils in locations where the soil gas survey indicated possible contamination. This testing also indicated that a smear zone (a zone where petroleum products are present, coating the soil particles) in the range of water table fluctuation is likely. (The concentrations of organic constituents immediately above the water table in test pit HP-B4, at 7 feet depth are considerable higher than those in the same test pit at 4 feet depth.) Laboratory results from test pit samples also confirmed generally non-contaminated soil in areas where the soil gas survey provided negative indications of soil contamination. The areas interpreted to be significantly affected are presented on Drawing No. 01-158.03-7, "Organics in Supplemental Test Pits & Impacted Soil Delineation."

Table 20-A
Nature and Extent of Contamination – Soil

CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATION RANGE (ppb) (All Target List ID's)	FREQUENCY OF EXCEEDING SCGs (> MQL)	SCG TAGM 4046 (ppb)	*SCG STARS C_s (ppm)*
Volatile Organic Compounds (VOCs)	ethyl benzene	17,000 – 25,000	2 of 33 samples	5,500	*8,000*
	Total xylenes	55,000 – 89,000	2 of 33 samples	1,200	*2,000*
	o-xylene	2,300 – 3,600	2 of 33 samples	1,200	*2,000*
	acetone	92 - 130	2 of 33 samples	200	-
	Total Incl. TICs	6.5J – 281,000	6 of 26 Samples	10,000	-
Semivolatile Organic Compounds (SVOCs)	napthalene	76J – 10,000	0 of 33 samples	13,000	*300*
	n-nitrodiphenylamine	1,200	0 of 26 samples		-
	2-methylnapthalene	140J – 25,000	0 of 26 samples	36,400	-
	fluorene	160J – 2,900J, 850	0 of 33 samples	50,000	*3,000*
	phenanthrene	37J – 19,000	0 of 33 samples	50,000	-
	acenaphthylene	54J – 350J	0 of 26 samples	41,000	-
	acenaphthene	58J – 1,500J, 440	0 of 33 samples	50,000	*5,000*
	dibenzofuran	100J – 2,000J,590	0 of 26 samples	6,200	-
	anthracene	60J – 740	0 of 33 samples	50,000	*20,000*
	fluoranthene	51J – 2,400	*(1)* of 33 smpl.	50,000	*1,000*
	pyrene	38J – 2,300J, 430	*(1)* of 33 smpl.	50,000	*2,000*
	Benzo (a) anthracene	45J – 1,500	1,*(1)* of 33 smpl.	224	*222*
	chrysene	68J – 1,300	1 of 33 smpl.	400	-
	Benzo (b) fluoranthene	43J – 640	*(1)* of 33 smpl.	1,100	*220*
	Benzo (k) fluoranthene	84J – 1,300	1,*(1)* of 33 smpl.	1,100	*220*
	Benzo (a) pyrene	90J – 1,100	1,*(1)* of 33 smpl.	61	*61*
	Total Incl. TICs	62 – 66,500	0 of 33 samples	500,000	-
Total Organic Compounds	Total including unspecified organic compounds	Not Detected to 393,220 ppb	0 of 33 samples	500,000	-
Inorganic Compounds	Arsenic	3.1 – 53.6	1* of 15 samples	7.5 ppm**	
			*repeat sampling did not reproduce the exceedance	** or Background	

- "J" indicates estimated value below procedure MQL
- Exceedance of SCG related to STARS C_h indicated in *(italic)*

4.5 Ground Water Quality Characterization:

4.5.1 Initial Sampling and Testing

Representative water quality samples were collected from the newly installed ground water monitoring wells on September 7, 2000 and submitted to Chemtech Labs for the analysis of the full list of TCL/TAL parameters, in addition to TPH. Subsequent to the collection of water quality samples, each well was properly developed by bailing 3 to 5 volumes of well casing water. As indicated in Table 13 below, PID readings were taken on September 7, 2000 from the top of each well casing immediately upon removal of the PVC cap:

Table 13.
PID Values in Well Casing Prior to Water Quality Sampling

Well No.	PID reading (in ppm)
HC-1	54
HC-2S	38
HC-2D	130
HC-3	111
HC-4D	48
HC-4S	134
HC-5	69
HC-6	46

Organic Constituents

The laboratory results of the water quality analysis as prepared by Chemtech labs are summarized and presented in attached Tables 14, 15 and 16. Examination of the various parameter concentrations reported for the September 2000 sampling event reveal that all of the reported levels were found to be below their respective MDL, with the exception of one VOC constituent (Ethylbenzene at 8 ug/l in well HC-2D) and one semi-volatile parameter (2-Methylnaphthalene at 15 ug/l in well HC-4S). While the concentration of Ethylbenzene in well HC-2D slightly exceeded the respective New York State ambient water quality standard of 5 ug/l, the level of 2-Methylnaphthalene in well HC-4S is below the established ground water standard of 50 ug/l for this particular constituent (NYSDEC Division of Water TOGS 1.1.1). No pesticides or PCBs were detected in any of the water samples. (Table 16).

In addition to the above, the laboratory analysis indicated tentatively identified compounds (TIC's) which are summarized in the respective tables and are presented with the laboratory data in Appendix 7. VOC TICs ranged from 0 ppb to 355 ppb, with the samples from HC-4s and HC-5 exceeding the guidance value of 100 ppb presented in TOGS 1.1.1. Semi-VOC TICs ranged from 8.3 ppb to 318.5 ppb, with the samples from HC-2s, HC-4s, and HC-5 exceeding the guidance value of 100 ppb presented in TOGS 1.1.1. As indicated on Table 14, reportable levels of TPH were noted to be present in each of the analyzed water quality samples, with the exception of HC-4D. Summary totals of these data are presented on Drawing No. 01-158.03-4, "Organic Compounds in Ground Water."

Inorganic Constituents (Metals)

With regard to the analyzed inorganic parameters, the detected concentrations for many constituents (particularly the common elements of aluminum, iron, magnesium, manganese and sodium) were found to be in exceedance of their established New York State ambient water quality standard guidance values (TOGS 1.1.1), as indicated on Table 17. Given the prior use of the project site as an industrial Bulk Petroleum Storage Facility with imported fill soils, the reported parameter levels are generally not surprising. However, the fact that a total of eight (8) priority pollutant metals were detected to be present in the water quality sample obtained from well HC-5 at concentrations above their established NYS ambient water quality standard guidance value attracted special attention. Many of the reported laboratory results noted matrix interference, however, indicating the effect of suspended sediment in turbid samples. (To determine dissolved metal constituents in ground water not affected by sample turbidity, samples from well HC-5 were later taken on November 16, 2001, and submitted as both field-filtered and unfiltered samples, discussed below.) Testing results for TAL metals are presented in Appendix 7 and on Drawing 01-158.03-5, "TAL Metals in Ground Water."

4.5.2 Supplemental Ground Water Sampling and Testing

Several of the initially installed eight (8) monitoring wells were re-sampled (six in September/November 2001 and three in August 2002) utilizing the same procedures set forth in the initial field activities work plan. These samples were appropriately preserved and shipped for the analysis indicated below and in this Work Plan, Section 4.4.3.3. The re-sampled wells, with test parameters indicated, include:

September 2001:	HC-2D	VOCs, Semi-VOCs, TPH
(Phase II)	HC-2S	VOCs, Semi-VOCs, TPH
	HC-4D	VOCs, Semi-VOCs, TPH
	HC-4S	VOCs, Semi-VOCs, TPH
	HC-5	VOCs, Semi-VOCs, TPH, TAL Metals
	HC-6	VOCs, Semi-VOCs, TPH
	HC-5	TAL Metals (field-filtered & unfiltered, 11/16/01))

August 2002: (Phase III)	HC-2S	VOCs, Semi-VOCs, TPH
	HC-4S	VOCs, Semi-VOCs, TPH
	HC-5	VOCs, Semi-VOCs, TPH

In addition, each of the geoprobe borings provided a sample of ground water for testing, as follows:

September 2001: (Phase II)	HC-5-1	VOCs, Semi-VOCs, TPH, TAL Metals
	HC-5-2	VOCs, Semi-VOCs, TPH, TAL Metals
	HC-5-3	VOCs, Semi-VOCs, TPH, TAL Metals
	HC-4-1	VOCs, Semi-VOCs, TPH
	HC-4-2	VOCs, Semi-VOCs, TPH
	HC-4-3	VOCs, Semi-VOCs, TPH
August 2002: (Phase III)	HC-8	VOCs, Semi-VOCs, TPH

Organic Constituents

The laboratory results of the September 2001 water quality analysis are presented in attached Tables 14, 14A, 15, 15A, and 17A. Examination of the various parameter concentrations reported for the September 2001 sampling event indicate the presence of Acetone in several of the well samples at low concentrations ranging from 6 to 19 ug/l (ppb). Given their low concentration, the absence of Acetone in the 2000 sampling and testing event, and a common association of Acetone with laboratory procedure, these indications are considered to be a laboratory artifact and not a significant indication of ground water contamination. Of significance is the detection of common gasoline VOC constituents in the sample from well HC-2s, including Ethylbenzene at 180 ug/l, m&p-Xylenes at 43 ug/l, and o-Xylene at 24 ug/l. The September 2000 indications of Ethylbenzene in well HC-2d and of 2-Methylnaphthalene in well HC-4S were not repeated and no other VOCs were indicated above their respective MDLs. No TCL Semi-VOCs were identified in the monitoring well samples.

No positively identified VOCs were indicated in the samples from the geoprobe borings, however two TCL Semi-VOCs were identified above the MQL and several were identified above the MDL. The compounds above the MQL were 2-Methylnaphthalene at 16 ug/l in HC-4-1, and bis(2-ethylhexl)phthalate at 11 ug/l in HC-5-2. Neither of these exceeded the established ground water standard of 50 ug/l.

In addition to the above the laboratory analysis indicated tentatively identified compounds (TIC's) which are summarized in the respective tables and are presented with the laboratory data in Appendix 6.

Total Organic Compounds exceeded the established ground water standards (100 ug/l) in wells HC-2s, HC-4s and HC-5, and in each of the geoprobe ground water samples.

The Phase III investigation ground water sampling in August, 2002, reported no VOCs above the MQL in any monitoring well samples except for acetone at 50 ug/l in HC-4s. Each had a single compound, bis(2-ethylhexly)phthalate, reported below the MQL. Total VOCs were reported at 147.2 ug/l for HC-4s, which exceeds the water quality standard of 100 ug/l, and none reported in HC-5. Total Semi-VOCs were reported at 100.06 ug/l for HC-4s, which exceeds the water quality standard of 100 ug/l, and at 19.05 ug/l in HC-5.

Geoprobe sample HC-8 reported toluene below the MQL, as well as VOC TICs at 6.4 ug/l. Several Semi-VOCs were detected below the MQL with Semi-VOC TICs reported at 148.1 ug/l and Total Semi-VOCs at 171.1 ug/l, which exceeds the water quality standard of 100 ug/l.

TPH was reported at 8 mg/l in HC-8, and below the MDL for HC- 4s and HC-5.

Inorganic Constituents (Metals)

During Phase II investigations of 2001, only monitor well HC-5 and the geoprobe samples surrounding well HC-5 (HC-5-1, HC-5-2, and HC-5-3) were tested for TAL metals. The reported results are presented in Table 17A, with several indicating metals exceeding their established ground water standards, similar to previous (2000) indications. Many of the reported laboratory results noted matrix interference, however, indicating the effect of suspended sediment in turbid samples. To determine dissolved metal constituents in ground water as a more representative indication of ground water quality, additional samples from well HC-5 were taken and submitted as both field-filtered and unfiltered samples, and these are presented for comparison in Table 17A. The filtered sample data were all below their established New York State ambient water quality standard guidance values. Testing results for TAL metals are presented in Appendix 7 and as well as on Drawing 01-158.03-5, "TAL Metals in Ground Water."

Table 20-B
Nature and Extent of Contamination – Ground Water

CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATION RANGE (ppb) (All Target List ID's)	FREQUENCY OF EXCEEDING SCGs (above MQL)	SCG (ppb)
Volatile Organic Compounds (VOCs)	ethyl benzene	8 – 180	2 of 23 samples	5
	m&p xylenes	3J – 43	1 of 23 samples	5
	o-xylene	24	1 of 23 samples	5
	acetone	3.9J – 52	5 of 23 samples	5
	benzene	2.6J	0 of 23 samples	5
	toluene	2.5J	0 of 23 samples	5
	Total Incl. TICs	5.8J – 850J	6 of 23 samples	100
Semivolatile Organic Compounds (SVOCs)	napthalene	0.48J – 1.2J	0 of 23 samples	50
	phenol	1.3J	0 of 23 samples	50
	2-methylnapthalene	3J – 16	0 of 23 samples	50
	fluorene	1.1J – 4.0J	0 of 23 samples	50
	phenanthrene	2.0J	0 of 23 samples	50
	acenaphthylene	0.5J – 1.4J	0 of 23 samples	50
	acenaphthene	0.82J – 2.6J	0 of 23 samples	50
	dibenzofuran	1.0J – 1.3J	0 of 23 samples	50
	diethylphthalate	1.1J – 1.7J	0 of 23 samples	50
	carbazole	0.42J	0 of 23 samples	50
	di-n-butylphthalate	1.1J	0 of 23 samples	50
	Bis(2-ethylhexyl)phthalate	0.84J – 11	0 of 23 samples	50
	Total, Incl. TICs	8.3J – 327.7J	14 of 23 samples	100
Total Organic Compounds	Total including unspecified organic compounds	8.3 to 393,220 ppb	15 of 23 samples	100
Inorganic Compounds	None			

- "J" indicates estimated value below procedure MQL

4.5.3 Summary Characterization

Organic Compounds

As noted above, the concentrations of individual TCL organic contaminants in ground water are at low levels, generally below applicable standards for ground water quality (NYSDEC Division of Water TOGS 1.1.1 and NYSDOH State Sanitary Code Subpart 5-1). When considered with the laboratory identified TICs, however, the total organic concentrations often exceed the levels set forth in the applicable standards and therefor require consideration for remedial action.

The significant areas of ground water contamination on the Lot No. 6 site include the soil aquifer in the area around monitoring wells HC-2s as well as HC-4s and HC-5. Total organic compounds exceeded 100 ppb, ranging from 197.8ppb to 1,437.3 ppb, largely based on estimated quantification of TICs not on the TCL. In addition, each of the geoprobe locations around HC-4 and HC-5 exhibited total organic compound concentrations in excess of 100 ppb, ranging from 195.2 ppb to 353.1 ppb, also predominantly estimated concentrations of TICs not on the TCL. Only one location indicated significant contamination by TCL compounds, with 1,108 ppb VOC contamination in monitoring well HC-2s, 258.1 ppb target compounds and 850 ppb TICs.

In the course of monitoring organic compound content over several sampling events, from September 2000 to August 2002, a general decrease in the contaminant concentrations was noted (although an increase was noted in monitoring well HC-2s for the 2000-2001 period). This decrease coincided with a general lowering of the water table elevation due to lower precipitation totals over the same period. The predominant location of petroleum compound contamination is interpreted to be in a smear zone spanning the historical high to low water table elevation. During periods of low water table, a smaller portion of the contaminant smear zone is available to contribute as a source of contaminants to ground water, and therefore contaminant concentrations may be expected to be lower. The observed reduction in contaminant concentrations supports this interpretation.

Metals

Contamination by metals included on the Target Analyte List (TAL) was suspected during the early portions of the investigation, however comparison of field-filtered vs unfiltered ground water samples has indicated that the dissolved metals constituents in ground water are not above applicable ground water standards. The previous indications of high metals content is likely due to interference of suspended particles in turbid ground water samples. No contamination by TAL metals has been demonstrated.

4.6 Delineation of Ground Water Contamination

Examination of the available results of previous investigations on the Lot No. 6 property has indicated ground water contamination in the area of the previous well "on the Lot No. 6 property." The well referred to is believed to be O'Brien & Gere well No. H-1, which is very close to the location of current investigation Geoprobe No. HC-4-3. (The well referred to might also be O'Brien & Gere well No. H-4, which is close to well HC-6). In either case, the current investigation also detected some contamination in these locations, but at very low concentrations of constituents.

Based on a review of the analytical laboratory test results for both monitoring well and geoprobe ground water samples as presented herein it is apparent that a certain degree of petroleum contamination of ground water exists on the Lot No. 6 parcel. This contamination is evidenced by detectable concentrations of Total Petroleum Hydrocarbons (TPH) in all but one (well HC-4d) of the tested water quality samples. Detected TPH concentrations ranged from 1,000 ug/l to 7,800 ug/l, with the water quality samples obtained from geoprobe borings HC-4-2, HC-5-3, and HC-5-1 displaying the highest concentrations of TPH (7,800 ug/l, 5,800 ug/l and 5,700 ug/l, respectively).

The specific areas of ground water contamination on the Lot No. 6 site include the area around monitoring wells HC-2s as well as HC-4s and HC-5.

An area of significant contamination is indicated in the vicinity of well HC-2s, a location which is coincident with the highest noted soil contamination in boring HC-2s as well as the soil gas survey data, the test determinations from adjacent supplementary test pit AB2.5, and information from previous studies. The probable area of ground water contamination is coincident with the limit of contaminated soil indicated on Drawing No. 01-158.03-7.

A second, broader area of significant ground water contamination is indicated in the area beneath the Imported Western Fill soils (but is not interpreted to be related to those imported soils). This contamination is characterized by the testing results from wells HC-4s and HC-5, and the geoprobes, and has higher concentrations of organic compounds in the vicinity of well HC-4s. The Total Organic Compound (TOC) concentrations vary from about 100 ug/l to 500 ug/l. A generalized interpretation of distribution is presented as lines of isoconcentration on Drawing No. 01-158.03-4.

4.7 Data Validation/Usability Review of Chemtech Laboratory Data:

In accordance with the requirements of the New York State Department of Environmental Conservation's (NYSDEC) Brownfields program, the laboratory data packages prepared by Chemtech for this Site Investigation were submitted to Adirondack Environmental Services, Inc. (AES) of Albany, New York for the purpose of conducting a data validation/usability review. Examination of the AES report dated January 26, 2001 relating to year 2000 sample data reveals disagreement regarding the manner by which the resultant laboratory data was prepared and presented by Chemtech, including the finding by AES that the "results for Chloride, Nitrate, and Sulfate should be flagged with an "R" for unusable data" for all of the analyzed soil and water samples.

In discussing the contents of the AES report with NYSDEC personnel, it has been mutually agreed upon that the lab results provided by Chemtech for Chloride, Nitrate, and Sulfate for all tested soil and water samples will be treated as unusable data, and therefore not considered in the assessment of Lot No. 6 site conditions. All other year 2000 data is considered usable data.

Year 2001 sample laboratory data packages were also submitted to AES for data validation/usability review with many of the same type of discrepancies and disagreements presented by AES. AES found that the VOC/Semi-VOC data (often considered against ASP criteria) should be considered as "estimated" and the TPH data for water samples should be considered unusable data. TPH data for soil samples is considered by AES to be usable data.

Year 2002 sample laboratory data packages were also submitted to AES for data validation/usability review with many of the same type of discrepancies and disagreements presented by AES. AES again found that the VOC/Semi-VOC data should be considered as "estimated." Chemtech responded that full and proper procedures were always followed and that the data packages were consistent with those routinely accepted by the EPA and NYSDEC. The data package for the Imported Western Fill soil testing were similarly criticized by AES and supported by Chemtech, with an additional specific concern relating to low recovery of surrogate compounds in the analysis. Both AES and Chemtech noted that all procedures called for were properly followed, and that the low recoveries were due to matrix interference. Chemtech further pointed out that the data package is compliant with the National Functional Guidelines for Organic Data Review. On this basis the data is accepted and has been utilized in this investigation.

5.0 CONTAMINANT FATE & TRANSPORT

5.1 Potential Routes of Migration:

Potential routes of migration of observed contamination include dispersion of surface impacted soils by air-borne dust during the active excavation or exhumation of subsurface soils, and through dispersion and flow of contaminated ground water in the subsurface fill and granular soils. Fill materials placed in the abandoned Erie Canal, and the old Canal walls, may provide preferential flow paths, although it must be noted that no direct evidence of this, or any presence of the Canal, has been noted and the Canal and Canal walls are probably well below the observed ground water surface. Flow of impacted ground water to the backfill materials present in the City of Schenectady sewer lines along the northern edge of the site is a potential route of migration of ground water borne contaminants to off-site areas.

There is no known or suspected ground water withdrawal down gradient or on adjacent properties to the site, through wells or otherwise. The surrounding area is developed for commercial use, and the Schenectady Wastewater Treatment Plant is immediately down-gradient from the site. There is no exposure of contaminated soils or ground water to wildlife on or adjacent to the site, and therefore no risk to wildlife populations. There is no other identified potential route of migration that would provide a means of contaminant migration off-site, or that would provide a significant risk to the public.

5.2 Contaminant Migration:

On the basis of the distribution of the reported test results and the observed ground water gradients and determined flow direction it appears that contamination of site soils, both existing at the time of the Sousa Bulk Storage Facility and previous to it as well as the recently placed fill soils on the eastern end of the site, are impacted by the presence of petroleum related organic contaminants. Migration of this contamination is by infiltration of surface drainage to ground water, and fluctuation of ground water within a contaminant smear zone, with contaminants subject to dispersal and transport by local ground water flow. Ground water flow is generally to the north, with a mounding effect evident beneath the fill soils on the western end of the site. This flow direction would provide a connection from the site to the City sewer line backfill soils along the northern edge of the site. A variable hydraulic gradient has been observed, supporting an interpretation that upper aquifer (upper soil) and lower aquifer (rock) ground water systems are not in close direct communication. This, considered with only very low levels of contamination having been observed within the monitor wells installed in the uppermost bedrock zone, indicates only a tenuous path of migration from the upper aquifer into the lower.

On the basis of this assessment there is no unacceptable risk to public health or the environment from migration of identified Lot No. 6 contamination with ground water.

6.0 CONCLUSIONS & RECOMMENDATIONS FOR FURTHER INVESTIGATION

6.1 Contaminant Impacts to Imported Western Fill Soils

Soil quality of the Imported Fill soils placed on the western portion of the Lot No. 6 site is generally characterized by irregular and disparate instances of low levels of petroleum contamination interspersed within uncontaminated soils, with one areas of significant exception. This is area of indefinite extent surrounding the location of geoprobe C-10 (soil gas survey grid point C-10). In this area the laboratory reported concentrations of several individual Semi-VOCs exceeded the levels allowed by STARS Memo #1 criteria for protection of human health, C_h, (And TAGM 4046 criteria for the same compounds) as well as the nuisance criteria of noticeable petroleum odor. Several other areas within the Fill Soils also exhibited noticeable petroleum odor. These were the only SCG criteria exceeded.

Pesticides (two compounds) were detected in one surface soil sample in the Imported Western Fill and PCBs (two arochlors) were detected in two surface soil samples. These were quantified at very low concentrations, below regulatory limits.

On the basis of the exceedance of STARS Memo #1 and TAGM 4046 criteria, the impacted soils immediately around location C-10 should be removed to a limit shown to be free of contamination that exceeds applicable SCGs.

6.2 Contaminant Impacts to Site Soils

Surface Soils

Sampling and testing of surface samples indicated the presence of organic compounds in only several of the surface samples, either estimated below the procedure MQL or tentatively identified below the procedure MDL. All of these indications are well below the acceptance levels indicated in the applicable SCGs of TAGM 4046.

Determinations of inorganic constituents of the soil samples, including repeat sampling and testing for suspected toxic metals where indicated, are within ranges typical of area soils and are considered consistent with background values. No consideration of remedial action with regard to contamination of surface soils is warranted.

Subsurface Soils

Soil quality on the Lot No, 6 site has been impacted by previous site use and conditions. Impacts include contamination by petroleum products generally throughout the site, as indicated by determinations of Total Petroleum Hydrocarbons (TPH), as well as the presence of Target Compound List (TCL) VOCs and Semi VOCs. The controlling SCG applied is the guidance from TAGM 4046. Total VOCs exceed recommended clean-up guidance limits (10,000 ppb) in the Eastern Area, however total Semi VOCs do not exceed recommended clean-up guidance limits (500,000 ppb) in either Eastern or Western Areas.

All inorganic parameters, including toxic metals, were below regulatory levels or were consistent with site back ground levels and levels typically found in the region, and no SCG limiting or action threshold values were exceeded.

Eastern Area

Several individual VOCs are indicated above clean-up guidance values (NYSDEC TAGM #4046), all at locations in the vicinity of monitoring well HC-2s. Several Semi VOCs were indicated at low concentrations both above and below the laboratory method detection limits, however no individual Semi VOCs were indicated above guidance values. In addition to the TCL compounds, other VOCs and Semi VOCs are indicated as Tentatively Identified Compounds (TICs).

The specific area of significant soil contamination by organic compounds is limited to the eastern portion of the Lot No. 6 site, generally between the monitoring well HC-2 and HC-1 locations. Delineation of contamination is based upon soil test determinations from well HC-2s, indicating the sum of estimated TCL compounds and TICs at 203,440 ppb, and further defined by organic vapor in soil gas and supplementary test pit soil testing data indicating positive quantification of VOCs at 74,300 ppb at soil gas grid location A5. Total indicated organic compounds in soil are above regulatory limits of 10,000 ppb (VOCs) at location A5, and indicated Semi VOC concentrations while not above recommended quantified total SVOC cleanup levels (500,000 ppb) must still be addressed, considering subjective Semi-VOC criteria.

Indicated Total Organic Compound contamination (VOCs plus Semi VOCs including positive and estimated quantification of TCL compounds plus estimated quantification of TICs) ranges from 152,391 ppb to 393,220 ppb in two areas, designated Area A and Area B on Drawing No. 01-158.03-7, "Soil Gas & Supplemental Soil Data, Impacted Soils."

Western Area

Soil contamination by petroleum constituents is generally indicated in the Western Area, however the predominance of the most significant contamination lies in a smear zone approximately bracketing the elevation of the historical high and low ground water table.

Laboratory test results indicate significant petroleum contamination as measured by Total Organic Compounds (TOC) in soil samples from soil borings and geoprobes collected at a depth of from 10.0 to 13.0 feet below the ground surface at the approximate depth of the water table. These generally exhibited low or non-detected concentrations of Target Compounds, but significant concentrations of VOC and particularly Semi-VOC TICs. Reported concentrations of Total Organic Compound TOC's) ranged from 6,876 ug/kg (ppb) to 43,733 ug/kg. These areas of soil contamination are summarized and delineated by contours of iso-concentration of TOC's, presented on Drawing No. 01-158.03-2, "Soil Contaminants." The pattern of concentration implies a north-south linear trend about the location of C-10.

Interpretation of the verbal descriptions and the record of testing from previous investigations on the adjacent Bitwise parcel indicates conditions similar to those in the Western Area of Lot No. 6, but does not indicate any greater contamination or potential source of further contamination contributions to Lot No. 6.

Although petroleum contamination on the Western Area of Lot No. 6 has been identified, no contamination in exceedance of the applicable SCGs (TAGM 4046) has been demonstrated and consideration of remedial action is not warranted.

6.3 Contaminant Impacts to Site Ground Water

Ground water on the Lot No, 6 site has been impacted by previous site use and conditions. Impacts include contamination of ground water by petroleum products generally throughout the site, as indicated by determinations of Total Petroleum Hydrocarbons (TPH), as well as the presence of Target Compound List (TCL) VOCs and Semi VOCs, indicated at low concentrations both above and below the laboratory method detection limits. In addition to the TCL compounds, other VOCs and Semi VOCs are indicated as Tentatively Identified Compounds (TICs) at generally low estimated concentrations for individual compounds. No pesticides or PCBs were detected in ground water samples.

As noted above, the concentrations of individual TCL organic contaminants in ground water are at low levels, generally below applicable standards for ground water quality (NYSDEC Division of Water TOGS 1.1.1 and NYSDOH State Sanitary Code Subpart 5-1). When considered with the laboratory identified TICs, however, the total organic concentrations rise above the levels required by the applicable standards (100 ppb) and therefor require consideration for remedial action.

The specific areas of ground water contamination on the Lot No. 6 site include the area around monitoring wells HC-2s as well as in the vicinity of HC-4s and HC-5. Total organic compounds exceeded 100 ppb, ranging from 131.2 ppb to a high of 1,437.3 ppb, (HC-2s, 9/01) largely based on estimated quantification of TICs not on the TCL. In addition, each of the geoprobe locations around HC-4 and HC-5 exhibited total organic compound concentrations in excess of 100 ppb, ranging from 189 ppb to 344 ppb, also predominantly due to the summation of estimated concentrations of TICs not on the TCL.

Contamination by metals included on the Target Analyte List (TAL) was suspected during the early portions of the investigation, however comparison of field filtered vs unfiltered ground water samples has indicated that the dissolved metals constituents in ground water are not above applicable ground water standards. The previous indications of high metals content is likely due to interference of suspended particles in turbid ground water samples. No contamination by TAL metals has been demonstrated and consideration of remedial action is not warranted.

6.4 Significance of Abandoned Erie Canal Structure

Previous studies of the Lot No. 6 site (page 6 of the previously referenced "Phase II Environmental Assessment Study of the Former Sousa Bulk Storage Facility" prepared by EHC), as well as the "Subsurface Investigation Work Plan" developed for this SI/RAR anticipated the potential impact of the former Erie Canal walls on the possible confinement or conduit of contaminated ground water flow and potential containment of contaminated soils. No direct evidence of the canal bed or canal walls was produced by this site investigation. Examination of ground water gradient does not indicate any impedance to ground water flow across the site and no other characteristics were discovered or recognized that would indicate any impact of the former canal on the hydrogeologic conditions on the site.

While the potential does exist for the former Erie Canal construction to exert some localized effect on site ground water flow, no effect was recognized through the investigations undertaken and the importance or significance of such effects is not considered of great magnitude.

6.5 Necessity of Additional Site Investigation

Based upon the interpretation of Lot No. 6 conditions, and the site characterization and contaminant delineation developed during several phases of investigation, there is no additional investigation warranted or necessary to proceed with consideration of remedial objectives or development and assessment of remedial alternatives to accomplish acceptable site remediation.

TABLE 9.
VOLATILE ORGANIC COMPOUNDS - SOIL QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
July - August, 2000

Parameter	Boring No.:	Boring HC-1		Boring HC-2		HC-2 Offset Sample		Boring HC-3		Boring HC-4		Boring HC-5		Boring HC-6		Soil Clean-up
	Sample ID:	HC-1A	HC-1B	HC-2A	HC-2B	HC-2AA	HC-2BB	HC-3A	HC-3B	HC-4A	HC-4B	HC-5A	HC-5B	HC-6A	HC-6B	Criteria (ug/kg)
	Sample Depth:	0.0 - 0.5	8.0 - 10.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	TAGM 4046
Chloromethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Bromomethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Vinyl Chloride		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Chloroethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Methylene Chloride		5.2 U	5.9 U	5.6 U	65.0 U	5.2 J	1,400 U	2.1 J	6.3 U	**8.6**	2.9 JB	5.2 U	68 U	6 U	6.4 U	
Acetone		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	200
Carbon Disulfide		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,1-Dichloroethene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,1-Dichloroethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,2-Dichloroethene Total		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Chloroform		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,2-Dichloroethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
2-Butanone		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,1,1-Trichloroethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Carbon Tetrachloride		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Vinyl Acetate		26 U	29 U	28 U	320 U	29 U	7,100 U	36 U	31 U	28 U	62 U	26 U	340 U	30 U	32 U	
Bromodichloromethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,2-Dichloropropane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
t-1,3-Dichloropropene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Trichloroethene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Dibromochloromethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,1,2-Trichloroethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Benzene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
cis-1,3-Dichloropropene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
2-Chloroethylvinylether		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Bromoform		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
4-Methyl-2-Pentanone		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
2-Hexanone		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Tetrachloroethene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,1,2,2-Tetrachloroethane		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Toluene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Chlorobenzene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Ethylbenzene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	25,000	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	5,500
Styrene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Total Xylenes		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	88,000	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	1,200
o-Xylene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	3,600	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	1,200
1,3-Dichlorobenzene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,4-Dichlorobenzene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
1,2-Dichlorobenzene		5.2 U	5.9 U	5.6 U	65.0 U	5.7 U	1,400 U	7.1 U	6.3 U	5.6 U	12.0 U	5.2 U	68 U	6 U	6.4 U	
Total TICs		100	110	15	21,760	15	63,000	71	14	50	0	110	1,800	110	91	
Total Volatile Compounds		100	110	15	21,760	20.2	180,600	73.1	14	58.6	0	110	1,800	110	91	10,000
TPH		190	94	220	3,600	680	5,700	380	92	560	310	260	3,000	380	140	

Concentrations reported in micrograms per kilogram (ug/kg) dry weight.
B = The compound was also detected to be present in the field blank sample.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.

TABLE 9A.
VOLATILE ORGANIC COMPOUNDS - SOIL QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
August, 2002

	Boring No.:	Geoprobe HC-7		Geoprobe HC-8		Geoprobe HC-9		Geoprobe B-10		Geoprobe C-10			Geoprobe FS-2	Geoprobe FS-4		Geoprobe FS-6			Soil Clean-up
	Sample ID:	HC-7-10		HC-8-13		HC-9-12		B10-B *	B10-9	C10-A *	C10-B *	C10-10	FS-2A	FS-4A *	FS-4B *	FS-6A *	FS-6B *	FS-6-10	Criteria (ug/kg)
Parameter	Sample Depth:	10' - 10.5'		13' - 13.5'		12.5' - 13.5'		3' - 3.5'	9.5' - 10'	2' - 2.5'	3.5' - 4'	10' - 10.5'	4' - 4.5'	2' - 2.5'	4' - 4.5'	1.5' - 2'	2.7' - 3'	10' - 10.5'	TAGM 4046
Chloromethane		U		U		U			U			U	U					U	
Bromomethane		U		U		U			U			U	U					U	
Vinyl Chloride		U		U		U			U			U	U					U	
Chloroethane		U		U		U			U			U	U					U	
Methylene Chloride		U		U		U			U			U	U					U	
Acetone		92		U / 130		U			U			U	U					U	200
Carbon Disulfide		U		U		U			U			U	U					U	
1,1-Dichloroethene		U		U		U			U			U	U					U	
1,1-Dichloroethane		U		U		U			U			U	U					U	
1,2-Dichloroethene Total		U		U		U			U			U	U					U	
Chloroform		U		U		U			U			U	U					U	
1,2-Dichloroethane		U		U		U			U			U	U					U	
2-Butanone		U		U		U			U			U	U					U	
1,1,1-Trichloroethane		U		U		U			U			U	U					U	
Carbon Tetrachloride		U		U		U			U			U	U					U	
Vinyl Acetate																			
Bromodichloromethane		U		U		U			U			U	U					U	
1,2-Dichloropropane		U		U		U			U			U	U					U	
t-1,3-Dichloropropene		U		U		U			U			U	U					U	
Trichloroethene		U		U		U			U			U	U					U	
Dibromochloromethane		U		U		U			U			U	U					U	
1,1,2-Trichloroethane		U		U		U			U			U	U					U	
Benzene		U		U		U		U	U	U	U	U	U	U	U	U	U	U	
cis-1,3-Dichloropropene		U		U		U			U			U	U					U	
2-Chloroethylvinylether																			
Bromoform		U		U		U			U			U	U					U	
4-Methyl-2-Pentanone		U		U		U			U			U	U					U	
2-Hexanone		U		U		U			U			U	U					U	
Tetrachloroethene		U		U		U			U			U	U					U	
1,1,2,2-Tetrachloroethane		U		U		U			U			U	U					U	
Toluene		U		U		U		U	U	U	U	U	U	U	U	U	U	U	
Chlorobenzene		U		U		U			U			U	U					U	
Ethylbenzene		U		U		U		U	U	U	U	U	U	U	U	U	U	U	
Styrene		U		U		U			U			U	U					U	
m/p Xylenes		U		U		U		U	U	U	U	U	U	U	U	U	U	U	
o-Xylene		U		U		U		U	U	U	U	U	U	U	U	U	U	U	
1,3-Dichlorobenzene																			
1,4-Dichlorobenzene																			
1,2-Dichlorobenzene																			
tert-Butyl-alcohol		U		U		U			U			U	U					U	
Isopropylbenzene								U		U	U			U	U	U	U		
n-Propylbenzene								U		U	U			U	U	U	U		
1,3,5-trimethylbenzene								U		U	U			U	U	U	U		
Tert-butylbenzene								U		U	U			U	U	U	U		
1,2,4-trimethylbenzene								U		U	U			U	U	U	U		
Sec-butylbenzene								U		U	U			U	U	U	U		
Isopropyltoluene								U		U	U			U	U	U	U		
n-Butylbenzene								U		U	U			U	U	U	U		
Naphthalene								U		U	U			U	U	U	U		
Methyl Tert Butylether (MtBE)		U		U		U		U	U	U	U	U	U	U	U	U	U	U	
Total TICs		3,380 J		6,520 J		1,257 J			8,170 J			1,636 J	U					6.2 J	
Total Volatile Compounds		3,472		6,520		1,257		U	8,170	U	U	1,636	U	U	U	U	U	6	10,000
TPH, mg/kg		270		2,500		590		220	5,000	230	U	2,300	290	U	90	1,100	5,200	1,100	

Concentrations reported in micrograms per kilogram (ug/kg) dry weight.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.

* NYSDEC STARS - Western Fill Soils

TABLE 10.
SEMIVOLATILE ORGANIC COMPOUNDS - SOIL QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
July - August, 2000

Parameter	Boring No.:	Boring HC-1		Boring HC-2		HC-2 Offset Sample		Boring HC-3		Boring HC-4		Boring HC-5		Boring HC-6		Soil Clean-up
	Sample ID:	HC-1A	HC-1B	HC-2A	HC-2B	HC-2AA	HC-2BB	HC-3A	HC-3B	HC-4A	HC-4B	HC-5A	HC-5B	HC-6A	HC-6B	Criteria (ug/kg)
	Sample Depth:	0.0 - 0.5	8.0 - 10.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	TAGM 4046
Phenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	45 J	450 U	400 U	430 U	
bis(2-chloroethyl)ether		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2-Chlorophenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
1,3-Dichlorobenzene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
1,4-Dichlorobenzene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
1,2-Dichlorobenzene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2-Methylphenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
bis(2-chloroisopropyl)ether		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
3+4-Methylphenols		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	54 J	430 U	
n-Nitroso-di-n-propylamine		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Hexachloroethane		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Nitrobenzene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Isophorone		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2-Nitrophenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2,4-Dimethylphenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Benzoic acid		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
bis(2-Chloroethoxy)methane		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2,4-Dichlorophenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
1,2,4-Trichlorobenzene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Naphthalene		350 U	390 U	370 U	430 U	380 U	4,700 E	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	13,000
4-Chloroaniline		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Hexachlorobutadiene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
4-Chloro-3-methylphenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2-Methylnaphthalene		350 U	390 U	370 U	430 U	380 U	4,900 E	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	36,400
Hexachlorocyclopentadiene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2,4,6-Trichlorophenol		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2,4,5-Trichlorophenol		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
2-Chloronaphthalene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
2-Nitroaniline		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
Dimethylphthalate		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Acenaphthylene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	41,000
2,6-Dinitrotoluene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
3-Nitroaniline		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
Acenaphthene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	50,000
2,4-Dinitrophenol		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
4-Nitrophenol		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
Dibenzofuran		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	6,200
2,4-Dinitrotoluene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Diethylphthalate		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
4-Chlorophenyl-phenylether		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Fluorene		350 U	390 U	370 U	890	380 U	240 J	480 U	420 U	370 U	410 U	340 U	880	400 U	430 U	50,000
4-Nitroaniline		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
4,6-Dinitro-2-methylphenol		870 U	980 U	940 U	1,100 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
n-Nitrosodiphenylamine		350 U	390 U	370 U	430 U	380 U	1,200	480 U	420 U	370 U	410 U	340 U	1,300	400 U	430 U	
4-Bromophenyl-phenylether		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Hexachlorobenzene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Pentachlorophenol		870 U	980 U	940 U	430 U	960 U	950 U	1,200 U	1,000 U	940 U	1,000 U	860 U	1,100 U	990 U	1,100 U	
Phenanthrene		97 J	390 U	370 U	1,700	59 J	300 J	480 U	420 U	110 J	410 U	190 J	1,300	400 U	430 U	50,000
Anthracene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	40 J	410 U	62 J	230 J	400 U	430 U	50,000
Carbazole		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Di-n-butylphthalate		120 J	120 J	39 J	430 U	380 U	380 U	62 J	60 J	46 J	410 U	150 J	260 J	130 J	170 J	
Fluoranthene		74 J	390 U	370 U	67 J	190 J	380 U	480 U	420 U	410	410 U	160 J	48 J	400 U	430 U	50,000
Pyrene		220 J	390 U	370 U	250 J	110 J	40 J	480 U	420 U	290 J	410 U	310	68 J	40 J	430 U	50,000
Butylbenzylphthalate		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
3,3'-Dichlorobenzidine		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Benzo(a)anthracene		67 J	390 U	370 U	430 U	79 J	380 U	480 U	420 U	150 J	410 U	140 J	450 U	400 U	430 U	224
Chrysene		75 J	390 U	370 U	430 U	67 J	380 U	480 U	420 U	150 J	410 U	160 J	450 U	400 U	430 U	400
bis(2-Ethylhexyl)phthalate		48 J	390 U	370 U	430 U	380 U	380 U	480 U	190 J	55 J	410 U	340 U	110 J	400 U	430 U	50,000
Di-n-octylphthalate		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Benzo(b)fluoranthene		79 J	390 U	370 U	430 U	59 J	380 U	480 U	420 U	300 J	410 U	140 J	450 U	400 U	430 U	1,100
Benzo(k)fluoranthene		82 J	390 U	370 U	430 U	72 J	380 U	480 U	420 U	130 J	410 U	130 J	450 U	400 U	430 U	1,100
Benzo(a)pyrene		72 J	390 U	370 U	430 U	79 J	380 U	480 U	420 U	200 J	410 U	130 J	450 U	400 U	430 U	61
Indeno(1,2,3-cd)pyrene		350 U	390 U	370 U	430 U	49 J	380 U	480 U	420 U	370 U	410 U	35 J	450 U	400 U	430 U	320
Dibenzo(a,h)anthracene		350 U	390 U	370 U	430 U	380 U	380 U	480 U	420 U	370 U	410 U	340 U	450 U	400 U	430 U	
Benzo(g,h,i)perylene		350 U	390 U	370 U	430 U	53 J	380 U	480 U	420 U	75 J	410 U	340 U	450 U	400 U	430 U	50,000
Total TICs		1,200	0	2,170	48,400	1,000	11,000	62	0	0	0	0	1,070	0	1,393	
Total Semi-Volatile Compounds		2,134	120	2,209	51,367	1,817	23,380	62	250	1,956	0	2,192	5,076	224	1,563	500,000

Concentrations reported in micrograms per kilogram (ug/kg) dry weight.
B = The compound was also detected to be present in the field blank sample.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.

TABLE 10A.
SEMIVOLATILE ORGANIC COMPOUNDS - SOIL QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
August, 2002

	Boring No.:	Geoprobe HC-7	Geoprobe HC-8		Geoprobe HC-9	Geoprobe B-10		Geoprobe C-10			Geoprobe FS-2	Geoprobe FS-4		Geoprobe FS-6			Soil Clean-up	STARS
	Sample ID:	HC-7-10	HC-8-13		HC-9-12	B10-B *	B10-9	C10-A *	C10-B *	C10-10	FS-2A	FS-4A *	FS-4B *	FS-6A *	FS-6B *	FS-6-10	Criteria (ug/kg)	Human Health
Parameter	Sample Depth:	10' - 10.5'	13' - 13.5'		12.5' - 13.5'	3' - 3.5'	9.5' - 10'	2' - 2.5'	3.5' - 4'	10' - 10.5'	4' - 4.5'	2' - 2.5'	4' - 4.5'	1.5' - 2'	2.7' - 3'	10' - 10.5'	TAGM 4046	(C_n)
Phenol		U	U		U		U			U	U					U		
bis(2-chloroethyl)ether		U	U		U		U			U	U					U		
2-Chlorophenol		U	U		U		U			U	U					U		
1,3-Dichlorobenzene		U	U		U		U			U	U					U		
1,4-Dichlorobenzene		U	U		U		U			U	U					U		
1,2-Dichlorobenzene		U	U		U		U			U	U					U		
2-Methylphenol		U	U		U		U			U	U					U		
bis(2-chloroisopropyl)ether		U	U		U		U			U	U					U		
3+4-Methylphenols		U	U		U		U			U	U					U		
n-Nitroso-di-n-propylamine		U	U		U		U			U	U					U		
Hexachloroethane		U	U		U		U			U	U					U		
Nitrobenzene		U	U		U		U			U	U					U		
Isophorone		U	U		U		U			U	U					U		
2-Nitrophenol		U	U		U		U			U	U					U		
2,4-Dimethylphenol		U	U		U		U			U	U					U		
bis(2-Chloroethoxy)methane		U	U		U		U			U	U					U		
2,4-Dichlorophenol		U	U		U		U			U	U					U		
1,2,4-Trichlorobenzene		U	U		U		U			U	U					U		
Naphthalene		100 J	U		U	U	U	76 J	U	U	U	U	U	U	U	U	13,000	13,000
4-Chloroaniline		U	U		U		U			U	U					U		
Hexachlorobutadiene		U	U		U		U			U	U					U		
4-Chloro-3-methylphenol		U	U		U		U			U	U					U		
2-Methylnaphthalene		140 J	U		U		U			1900	U					U	36,400	36,400
Hexachlorocyclopentadiene		U	U		U		U			U	U					U		
2,4,6-Trichlorophenol		U	U		U		U			U	U					U		
2,4,5-Trichlorophenol		U	U		U		U			U	U					U		
2-Chloronaphthalene		U	U		U		U			U	U					U		
2-Nitroaniline		U	U		U		U			U	U					U		
Dimethylphthalate		U	U		U		U			U	U					U		
Acenaphthylene		54 J	U		U		U			350 J	U					U	41,000	41,000
2,6-Dinitrotoluene		U	U		U		U			U	U					U		
3-Nitroaniline		U	U		U		U			U	U					U		
Acenaphthene		58 J	U		U	U	U	76 J	U	U	U	U	U	U	U	U	50,000	50,000
2,4-Dinitrophenol		U	U		U		U			U	U					U		
4-Nitrophenol		U	U		U		U			U	U					U		
Dibenzofuran		100 J	U		U		U			U	U					U	6,200	6,200
2,4-Dinitrotoluene		U	U		U		U			U	U					U		
Diethylphthalate		U	U		U		U			U	U					U		
4-Chlorophenyl-phenylether		U	U		U		U			U	U					U		
Fluorene		160 J	1500 J D		U	U	U	220 J	U	740	U	U	U	U	U	U	50,000	50,000
4-Nitroaniline		U	U		U		U			U	U					U		
4,6-Dinitro-2-methylphenol		U	U		U		U			U	U					U		
n-Nitrosodiphenylamine		U	U		U		U			U	U					U		
4-Bromophenyl-phenylether		U	U		U		U			U	U					U		
Hexachlorobenzene		U	U		U		U			U	U					U		
Pentachlorophenol		U	U		U		U			U	U					U		
Phenanthrene		94 J	2800 D		U	140 J	81 J	1900 D	82 J	760	37 J	U	U	U	U	U	50,000	50,000
Anthracene		74 J	710 J D		U	60 J	U	740	U	180 J	U	U	U	U	U	U	50,000	50,000
Carbazole		U	U		U		U			U	U					U		
Di-n-butylphthalate		U	U		U		U			U	U					U		
Fluoranthene		240 J	250 J D		U	330 J	130 J	2400	150 J	150 J	51 J	69 J	U	U	U	U	50,000	50,000
Pyrene		320 J	130 J		U	430	42 J	2300	160 J	U	50 J	100 J	39 J	U	U	38 J	50,000	50,000
Butylbenzylphthalate		U	U		U		U			U	U					U		
3,3'-Dichlorobenzidine		U	U		U		U			U	U					U		
Benzo(a)anthracene		250 J	45 J		U	160 J	U	1500	75 J	U	U	U	U	U	U	U	224	224
Chrysene		300 J	90 J		U	170 J	U	1900	110 J	U	U	U	U	U	U	98 J	400	400
bis(2-Ethylhexyl)phthalate		140 J	180 J		150 J		210 J			93 J	120 J					170 J	50,000	50,000
Di-n-octylphthalate		U	U		U		U			U	U					U		
Benzo(b)fluoranthene		320 J	43 J		U	94 J	U	640	67 J	U	U	U	U	U	U	U	1,100	1,100
Benzo(k)fluoranthene		230 J	U		U	160 J	U	1300	84 J	U	U	U	U	U	U	U	1,100	1,100
Benzo(a)pyrene		300 J	U		U	160 J	U	1100	90 J	U	U	U	U	U	U	U	61	61
Indeno(1,2,3-cd)pyrene		140 J	U		U	U	U	190 J	U	U	U	U	U	U	U	U	320	320
Dibenzo(a,h)anthracene		U	U		U	U	U	U	U	U	U	U	U	U	U	U		
Benzo(g,h,i)perylene		170 J	U		U	U	U	260 J	U	U	U	U	U	U	U	U	50,000	50,000
Total Target Compounds		3,190 J	5,748 J		150 J	1,704 J	463 J	14,002 J	818 J	4,173 J	258 J	169 J	39 J	U	U	306 J		
Total TICs		21,300 J	16,540 J		20,170 J	7,900	28,500 J	U	8,180	29,300 J	19,400 J	6,210	7,200	38,980	45,900	1,100 J		
Total Specified Unknown		6,200 J	4,430 J		U	U	6,800 J	U	U	1,300 J	1,200 J	U	U	U	U	U		
Total Semi-Volatile Organic Compounds		30,690 J	26,718		20,320 J	9,604	35,563 J	14,002	8,998	34,773 J	20, 858 J	6,379	7,239	38,980	45,900	1,406	500,000	500,000

Concentrations reported in micrograms per kilogram (ug/kg) dry weight.
B = The compound was also detected to be present in the field blank sample. D = Analysis of diluted sample
J = Estimated value which is less than the specified minimum detection limit but greater than zero. * NYSDEC STARS - Western Fill Soils
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.

TABLE 11.
PESTICIDES/PCB'S - SOIL QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
July - August, 2000

	Boring No.:	Boring HC-1		Boring HC-2		HC-2 Offset Sample		Boring HC-3		Boring HC-4		Boring HC-5		Boring HC-6	
	Sample ID:	HC-1A	HC-1B	HC-2A	HC-2B	HC-2AA	HC-HC-2BB	HC-3A	HC-3B	HC-4A	HC-4B	HC-5A	HC-5B	HC-6A	HC-6B
Parameter	Sample Depth:	0.0 - 0.5	8.0 - 10.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0
alpha-BHC		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
beta-BHC		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
delta-BHC		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
gamma-BHC (Lindane)		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Heptachlor		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Aldrin		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Heptachlor epoxide		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Endosulfan I		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Dieldrin		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
4,4'-DDE		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Endrin		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Endosulfan II		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
4,4'-DDD		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	11	0.9 U	4.0 U	0.9 U
Endosulfan sulfate		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
4,4'-DDT		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Endrin aldehyde		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	11	0.9 U	4.0 U	0.9 U
Methoxychlor		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Endrin-ketone		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
alpha-Chlordane		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
gamma-Chlordane		3.5 U	0.8 U	0.7 U	0.9 U	7.7 U	0.8 U	1.0 U	0.8 U	0.7 U	0.8 U	3.4 U	0.9 U	4.0 U	0.9 U
Chlordane		87 U	20 U	19 U	22 U	192 U	19 U	24 U	21 U	19 U	21 U	86 U	23 U	99 U	21 U
Toxaphene		87 U	20 U	19 U	22 U	192 U	19 U	24 U	21 U	19 U	21 U	86 U	23 U	99 U	21 U
Arochlor-1016		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	**40**	21 U	17 U	23 U	20 U	21 U
Arochlor-1221		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	19 U	21 U	17 U	23 U	20 U	21 U
Arochlor-1232		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	19 U	21 U	17 U	23 U	20 U	21 U
Arochlor-1242		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	19 U	21 U	17 U	23 U	20 U	21 U
Arochlor-1248		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	19 U	21 U	17 U	23 U	20 U	21 U
Arochlor-1254		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	19 U	21 U	17 U	23 U	20 U	21 U
Arochlor-1260		17 U	20 U	19 U	22 U	19 U	19 U	24 U	21 U	**40**	21 U	**220**	23 U	20 U	21 U

Concentrations reported in micrograms per kilogram (ug/kg) dry weight.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.

TABLE 12.
INORGANIC PARAMETERS - SOIL QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
July - August, 2000

Boring No.:	Boring HC-1		Boring HC-2		HC-2 Offset Sample		Boring HC-3		Boring HC-4		Boring HC-5		Boring HC-6		Boring HC-6 - Phase III		
Sample ID:	HC-1A	HC-1B	HC-2A	HC-2B	HC-2AA	HC-HC-2BB	HC-3A	HC-3B	HC-4A	HC-4B	HC-5A	HC-5B	HC-6A	HC-6B	HC-6-2A	HC-6-2B	HC-6-2C
Sample Depth:	0.0 - 0.5	8.0 - 10.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	4.5 - 5.0	0.0 - 0.5	4.0 - 6.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	10.0 - 12.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5
Parameter																	
Aluminum	3,050	8,810	4,580	3,950	3,070	5,910	7,770	13,400	7,710	9,650	6,220	5,080	10,100	4,250			
Antimony	1.0 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.4 U	1.2 U	1.2 B	1.2 U	1.0 U	1.3 U	1.1 U	1.2 U			
Arsenic	4.0	9.8	4.8	3.9	3.2	3.1	5.3	13.1	4.3	5.2	3.5	6.2	53.6	4.5	8.0	12.2	5.5
Barium	24.1 B	48.1	23.7 B	18.8 B	18.2 B	28.9 B	39.1 B	94.6	57.1	49.2	53.6	36.9 B	53.6	21.9 B			
Beryllium	0.23 B	0.62 B	0.30 B	0.25 B	0.24 B	0.40 B	0.48 B	0.95 B	0.45 B	0.53 B	0.40 B	0.60 B	0.63 B	0.48 B			
Cadmium	0.08 U	0.09 U	0.09 U	0.10 U	0.09 U	0.09 U	0.11 U	0.10 U	0.63 B	0.10 U	0.96 B	0.11 U	0.15 B	0.10 U			
Calcium	32,300	1,290	7,230	4,410	8,250	1,490	9,700	2,170	24,400	2,380	7,770	2,680	3,180	31,700			
Chromium	5.2	12.4	9.1	10.6	4.3	7.9	12.0	19.0	16.4	13.6	15.0	10.3	15.6	6.6			
Cobalt	4.1 B	11.2 B	5.3 B	5.2 B	3.8 B	7.0 B	9.0 B	14.9	8.0 B	9.8 B	8.0 B	5.6 B	10.1 B	6.6 B			
Copper	14.8	14.8	16.2	14.4	11.1	13.3	22.1	23.7	34.2	17.6	31.7	22.6	27.7	19.9			
Iron	10,200	26,200	13,200	9,870	8,120	14,800	20,300	35,100	18,800	22,600	16,300	15,700	26,300	14,400			
Lead	14.4	10.2	17.1	19.8	10.0	12.4	15.9	16.5	35.2	11.8	30.3	13.5	253	10.8			
Magnesium	9,100	3,090	3,430	3,420	2,300	2,110	4,750	4,050	11,500	3,370	4,420	1,720	3,860	19,400			
Manganese	253	237	269	106	200	225	476	292	585	218	345	1,400	617	1,270			
Mercury	0.03 B	0.16	0.05 U	0.08 B	0.11 B	0.09 B	0.07 U	0.06 U	0.21	0.06 U	0.31	0.07 U	0.06 U	0.06 U			
Nickel	11.1	20.2	11.3	10.2	7.2 B	12.9	17.6	25.9	17.9	20.3	19.3	14.6	21.7	15.7			
Potassium	580 B	700 B	529 B	487 B	419 B	608 B	956 B	1,000 B	949 B	1,180 B	689 B	570 B	1,480	901 B			
Selenium	0.46 U	0.51 U	0.47 U	0.56 U	0.50 U	0.63 B	0.61 U	0.55 U	0.49 U	0.54 U	0.45 U	0.58 U	0.51 U	0.56 U			
Silver	0.19 B	0.14 U	0.63 B	0.56 B	0.14 U	0.14 U	0.64 B	0.89 B	1.6 B	0.63 B	1.2 B	0.16 U	0.17 B	0.15 U			
Sodium	152 B	112 B	66.3 U	78.1 U	207 B	144	253 B	168 B	69.0 U	222 B	104 B	205 B	137 B	220 B			
Thallium	0.48 U	2.0 B	0.76 B	1.7 B	0.53 U	2.0 B	0.64 U	1.4 B	0.60 B	0.56 B	1.4 B	1.6 B	0.53 U	1.5 B			
Vanadium	8.1 B	20.9	12.4	10.2 B	7.3 B	14.4	18.3	30.2	18.1	23.1	15.0	28.3	25.2	16.4			
Zinc	44.3	67.3	51.5	47.0	37.3	43.3	60.5	79.6	94.4	60.5	90.0	51.0	134	49.8			
Chloride	130	150	140	34	100	250	500	230	110	190	100	280	97	130			
TPH	190	94	220	3,600	680	5,700	380	92	560	310	260	3,000	380	140			
Nitrate	<5.2	<5.9	<5.6	<6.5	<5.7	<5.7	<7.1	6.4	<5.6	<6.2	<5.2	<6.8	<5.9	<6.4			
Sulfate	<0.52	<0.59	96	210	25	<11	110	<13	433	<12	<0.52	<0.68	<0.59	<0.64			
Cyanide	<10.0	950	<0.56	<0.65	<0.58	<0.58	<0.71	<0.63	<0.56	<0.62	220	960	<12.0	220			

Concentrations reported in milligrams per kilogram (mg/kg) dry weight.
B = The compound was also detected to be present in the field blank sample.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.

TABLE 14.
VOLATILE ORGANIC COMPOUNDS - WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
Sept. 2000 - Sept. 2001 - Aug. 2002

Well No.	HC-1	HC-2S		HC-2D		HC-3	HC-4S			HC-4D		HC-5			HC-6		HC-7 (#6 dupe)	HC-5 (dupe)	HC-4S (dupe)	Individual TOGS 1.1.1 or DOH 5-1 Std. (ppb)
Date:	9/7/00	9/7/00	9/28/01	9/7/00	9/28/01	9/7/00	9/7/00	9/28/01	8/9/02	9/7/00	9/28/01	9/7/00	9/28/01	8/9/02	9/7/00	9/28/01	9/7/00	9/28/01	8/9/02	
Parameter																				
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Methylene Chloride	5 U	2.5 J	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Acetone	5 U	5 U	**6**	5 U	5 U	5 U	3.9 J	**19**	**50**	5 U	**19**	5 U	5 U	U	5 U	**8.2**	5 U	5 U	**52**	5.0
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,2-Dichloroethene Total	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Vinyl Acetate	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
t-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Benzene	5 U	5 U	2.6 J	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
2-Chloroethyl Vinyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Toluene	5 U	5 U	2.5 J	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Ethylbenzene	5 U	5 U	**180**	**8**	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5.0
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
m&p- Xylenes	5 U	5 U	**83**	3 J	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5.0
o-Xylene	5 U	5 U	**24**	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5.0
1,3-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,4-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
1,2-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	5 U	5 U	5 U	5 U	U	
Total TICS:	0	0	850	54	8.1	0	355	334	97.2	18	27	247	51.8	U	48	0	93	34.6	115.4	
Total Volatile Compounds	0	2.5	**1,106.10**	65	8.1	0	**358.9**	**352**	**147.2**	18	46	**247**	51.8	0	48	8.2	93	34.6	**167.4**	100.0
TPH	1,200	5,900	6,300	4,400	ND	2,000	1,600	1,000	ND	ND	ND	3,900	4,200	ND	2,000	ND	3,200	3,800	1.1	

Note: All concentrations reported as micrograms per liter (ug/l), which is equivalent to parts per billion (ppb).
Concentrations in exceedance of the NYS Water Quality Standard are shown in bold type.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
Sample HC-7 is a duplicate water quality sample taken from well HC-6 (9/7/00).
Date refers to date of sampling

TABLE 14 A.
VOLATILE ORGANIC COMPOUNDS - GEOPROBE WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
Sept. 2001 - Aug. 2002

Geoprobe No.:	HC-4-1	HC-4-2	HC-4-3	HC-5-1	HC-5-2	HC-5-2 dupe	HC-5-3	HC-8
Date:	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	8/9/02
Parameter								
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene Total	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl ether	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	2.5 J
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND
m&p- Xylenes	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Total TICS:	58.0	32.1	ND	11.0	18.7	13.4	5.8	6.4
Total Volatile Compounds	58.0	32.1	ND	11.0	18.7	13.4	5.8	8.9
TPH , mg/L	2,000	7,800	ND	5,700	ND	ND	5,800	8

Note: All concentrations reported as micrograms per liter (ug/l), which is equivalent to parts per billion (ppb).
ND denotes not detected at the MDL. Concentrations in exceedance of the NYS Water Quality Standard are shown in bold type.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
Date refers to date of sampling

TABLE 15.
SEMIVOLATILE ORGANIC COMPOUNDS - WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
Sept. 2000 - Sept. 2001 - Aug. 2002

Well No.:	HC-1	HC-2S		HC-2D		HC-3	HC-4S			HC-4D		HC-5			HC-6		HC-7 (dup)	HC-5 (dupe)	HC-4S (dupe)	Individual
Date:	9/7/00	9/7/00	9/28/01	9/7/00	9/28/01	9/7/00	9/7/00	9/28/01	8/9/02	9/7/00	9/28/01	9/7/00	9/28/01	8/9/02	9/7/00	9/28/01	9/7/00	9/28/01	8/9/02	TOGS 1.1.1
Parameter																				or
																				DOH 5-1
Phenol	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	Std. (ppb)
bis(2-chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzyl alcohol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
bis(2-chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
3+4-Methylphenols	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzoic acid	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2-Methylnaphthalene	10 U	6.2 J	8.0 J	3 J	10 U	10 U	**15**	10 U	U	10 U	10 U	7.9 J	10 U	U	10 U	10 U	10 U	10 U	U	50.0
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
3-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	1.6 J	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
2,4-Dinitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
4-Nitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Fluorene	10 U	1.1 J	1.5 J	10 U	10 U	10 U	1.5 J	1.3 J	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	50.0
4-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
4,6-Dinitro-2-methylphenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Pentachlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	25 U	25 U	25 U	25 U	U	
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
bis(2-Ethylhexyl)phthalate	10 U	10 U	1.2 J	3.5 J	4.1 J	1.2 J	10 U	1.1 J	1.0 J	1.6 J	10 U	10 U	2.6 J	0.95 J	10 U	10 U	10 U	2.3 J	0.84 J	50.0
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	10 U	10 U	10 U	10 U	U	
Total TICS:	8.3	138.0	318.5	23.0	81.8	17.0	169.0	180.3	99.6	31.0	47.8	62.0	183.7	12.0	82.0	28.7	110.0	130.5	58.4	
Total Unknowns																			16.6	
Total Semi-Volatile Compounds	8.3	**148.2**	**326.2**	32	85.9	18.2	**187.1**	**184.1**	**100.8**	32.6	47.8	71.3	**188.3**		83.2	28.7	**111.8**	**132.8**		100.0

Note: All concentrations reported as micrograms per liter (ug/l), which is equivalent to parts per billion (ppb). Exceedance of NYS Water Quality Std. in bold type.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
Sample HC-7 is a duplicate water quality sample taken from well HC-6 (9/7/00).
Date refers to sample date

TABLE 15 A.
SEMIVOLATILE ORGANIC COMPOUNDS - GEOPROBE WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
Sept. 2001 - Aug. 2002

Geoprobe No.:	HC-4-1	HC-4-2	HC-4-3	HC-5-1	HC-5-2	HC-5-2 dupe	HC-5-3	HC-8
Date:	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	8/9/02
Parameter								
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
bis(2-chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzyl alcohol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
bis(2-chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
3+4-Methylphenols	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzoic acid	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Naphthalene	1.2 J	10 U	10 U	10 U	10 U	10 U	10 U	0.48 J
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2-Methylnaphthalene	**16**	4.2 J	10 U	10 U	10 U	10 U	10 U	12
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
2-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.5 J
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
3-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
Acenaphthene	1.4 J	1.5 J	1.1 J	10 U	10 U	10 U	2.6 J	0.82 J
2,4-Dinitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
4-Nitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
Dibenzofuran	1.0 J	10U	10U	10U	10U	10U	10U	1.3 J
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Diethylphthalate	10 U	10 U	10 U	10 U	1.7 J	1.3 J	1.1 J	1.5 J
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Fluorene	1.9 J	1.1 J	10 U	10 U	1.4 J	1.4 J	4.0 J	2.0 J
4-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
4,6-Dinitro-2-methylphenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Pentachlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.0 J
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Carbazole								0.42 J
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
bis(2-Ethylhexyl)phthalate	2.5 J	2.3 J	10 U	6.1 J	**11**	4.8 J	8.2 J	0.87 J
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	U
Total TICS:	327.7	344.0	194.1	206.4	189.0	221.6	248.6	148.1
Total Semi-Volatile Compounds	361.7	385.2	194.2	223.5	221.8	242.5	270.3	171.7

Note: All concentrations reported as micrograms per liter (ug/l - parts per billion (ppb)). Positive determinations in bold type.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
Date refers to sample date

TABLE 16.
PESTICIDES/PCB'S - WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
September 2000

	Well No.:		HC-1	HC-2S	HC-2D	HC-3	HC-4D	HC-4S	HC-5	HC-6	HC-7 (#6-dupe)
	Sample Date:		9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00
	Quant.										
Parameter	Limit										
alpha-BHC	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDE	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDD	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan sulfate	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDT	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin aldehyde	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin-ketone	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chlordane	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Arochlor-1016	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1221	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1232	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1242	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1248	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1254	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1260	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Note: All concentrations reported as micrograms per liter (ug/l), which is equivalent to parts per billion (ppb).
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
Sample HC-7 is a duplicate water quality sample taken from well HC-6.

TABLE 17.
INORGANIC PARAMETERS - WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
September 2000

Well No.:	HC-1	HC-2S	HC-2D	HC-3	HC-4D	HC-4S	HC-5	HC-6	HC-7 (#6-dupe)	NYS Water Quality
Sample Date:	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	9/7/00	Stds. (ug/l)
Parameter										
Aluminum	**13,700**	**4,990**	**540**	**2,870**	**719**	**9,740**	**104,000**	**22,500**	**30,900**	100
Antimony	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	3
Arsenic	16.7	16.3	8.9 B	44.4	5.8 B	14.8	83.6	23.7	34	50
Barium	167	84.9	104 B	93.9 B	295	206	**1,220**	252	298	1,000
Beryllium	0.86 B	0.35 B	0.30 U	0.30 U	0.30 U	0.55 B	**6.6**	1.7 B	2.3 B	3
Cadmium	0.80 U	2.7 B	0.80 U	1.2 B	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	10
Calcium	147,000	94,300	105,000	90,500	227,000	192,000	136,000	119,000	137,000	NA
Chromium	21.4	7.7 B	2.0 U	5.7 B	2.0 U	17.9	**208**	39.5	57.3	50
Cobalt	**14.9 B**	**5.2 B**	1.9 B	3.2 B	**11.1 B**	**10.6 B**	**102**	**25.9 B**	**35.7 B**	5
Copper	40.9	19.0 B	5.4 B	15.3 B	6.1 B	32.0	**349**	111	148	200
Iron	**33,200**	**18,000**	**9,860**	**23,200**	**13,600**	**30,300**	**236,000**	**64,400**	**85,800**	300
Lead	20.1	29.4	2.8 B	4.3	2.5 U	15.6	**177**	**66.2**	**93.4**	50
Magnesium	24,500	14,700	15,700	15,700	**50,000**	**42,100**	**68,500**	**36,300**	**43,200**	35,000
Manganese	**3,140**	**1,580**	**2,430**	**2,760**	**6,450**	**6,580**	**6,190**	**6,420**	**6,970**	300
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.66	0.10 U	0.10 U	2
Nickel	36.3 B	14.5 B	4.6 B	9.5 B	16.1 B	24.9 B	271	70.2	92.8	NA
Potassium	12,000	4,310 B	5,140	3,210 B	3,160	4,620 B	26,600	9,380	11,700	NA
Selenium	3.6 B	2.2 U	2.2 U	2.2 U	2.2 U	3.5 B	**13.4**	2.2 U	2.5 B	10
Silver	1.8 B	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.6 B	1.3 U	1.3 U	50
Sodium	19,800	8,720	**92,800**	**21,300**	**100,000**	**28,900**	**111,000**	**86,600**	**95,000**	20,000
Thallium	3.2 U	3.2 U	**4.0 B**	3.2 U	3.2 U	**7.3 B**	**23.1**	**6.0 B**	**13**	4
Vanadium	**27.2 B**	11.1 B	1.9 U	6.7 B	1.9 U	**21.8**	**222**	**76.8**	**104**	14
Zinc	136	77.5	41.4	66.0	42.8	103	696	247	318	300
Chloride	20,000	15,000	130,000	55,000	**360,000**	87,000	95,000	130,000	130,000	250,000
TPH	1,200	5,900	4,400	2,000	<1,000	1,600	3,900	2,000	3,200	NA
Nitrate	<500	<500	<500	<500	<500	<500	<500	<500	<500	10,000
Sulfate	23,000	21,000	**320,000**	46,000	230,000	9,600	210,000	**320,000**	**350,000**	250,000
Cyanide	<10	<10	<10	<10	<10	<10	<10	<10	<10	100

Note: Concentrations in exceedance of the NYS Water Quality standard are shown in bold type.
All concentrations reported as micrograms per liter (ug/l), which is equivalent to parts per billion (ppb).
B = The compound was also detected to be present in the field blank sample.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
NA = Not Available.
HC-7 is a duplicate water quality sample taken from well HC-6.

TABLE 17 A.
INORGANIC PARAMETERS - GEOPROBE & HC-5 WATER QUALITY TEST RESULTS
Lot No. 6, Riverside Technology Park
September & November, 2001

Well No.	HC-5-1	HC-5-2	HC-5-2 dupe	HC-5-3	HC-5	HC-5-dupe	HC-5B	HC-5BF	NYS Water Quality
Sample Date:	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	9/28/01	11/16/01	11/16/01	Stds. (ug/l)
Parameter									
Aluminum	**34,100 E**	**132,000 E**	**232,000 E**	**7,690 E**	**1,140 E**	**17,100**	**81,400**	82.2	100
Antimony	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	3
Arsenic	39.4	**73.0**	**125.0**	13.4	13.7	21.5	**81.4**	6.2 U	50
Barium	474	929	**1,890**	229	166.0	301.0	**1,170.0**	141.0	1,000
Beryllium	2.50	**8.20**	**14.20**	0.78	**6.10**	**3.60**	**5.40**	0.16	3
Cadmium	0.6 U	0.6 U	0.6 U	0.6 U	3.4	1.1	0.6 U	0.6 U	10
Calcium	248,000 E	313,000 E	256,000 E	197,000 E	163,000	167,000	204,000	194,000	NA
Chromium	**55.5**	**294.0**	**741.0**	17.4	5.9	31.3	**160.0**	8.5	50
Cobalt	**30.9**	**87.4**	**147.0**	4.7	**9.6**	**27.3**	**99.6**	0.9 U	5
Copper	102.0	**406.0**	**870 E**	32.3	11.5	60.1	**269**	2.8	200
Iron	**77,700**	**283,000**	**469,000**	**48,600**	**14,100**	**47,400**	**201,000**	**6,950**	300
Lead	**52.6**	**155.0**	**243.0**	14.9	19.7	41.7	**129.0**	4.0	50
Magnesium	**62,900 E**	**120,000 E**	**111,000 E**	**45,400 E**	**36,600**	**42,300**	**74,200**	**45,700**	35,000
Manganese	**17,900 E**	**23,900 E**	**27,700 E**	**19,400 E**	**4,400**	**5,020**	**5,580**	**2,430**	300
Mercury	0.2 U	1.7	1.7	0.2 U	0.20	0.20	0.73	0.2 U	2
Nickel	71.2	274.0	530.0	12.1	9.0	43.4	208.0	1.6 U	NA
Potassium	14,300 E	294,000 E	26,000 E	4,320 E	6380 E	10700 E	24,300	6,410	NA
Selenium	2.2	1.6 U	1.6 U	8.8	**16.7**	8.4	1.6 U	1.6 U	10
Silver	2.8	11.6	11.3	4.7	1.8	3.0	8.8	1.7 U	50
Sodium	**183,000 E**	**136,000 E**	**102,000 E**	**90,900 E**	**121,000**	**120,000**	**124,000**	**141,000**	20,000
Thallium	**57.7**	**76.4**	**66.7**	**47.7**	**4.3**	**4.3**	**10.2**	**4.3 U**	4
Vanadium	**77.5**	**327.0**	**524.0**	**17.7**	4.7	**39.9**	**176.0**	1.2 U	14
Zinc	241.0	**1,440.0**	**1,560.0**	62.2	40.4	129.0	**492.0**	26.6	300

Note: Concentrations in exceedance of the NYS Water Quality standard are shown in bold type.
All concentrations reported as micrograms per liter (ug/l), which is equivalent to parts per billion (ppb).
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
E = The reported value is estimated due to interference.
NA = Not Available.
HC-5BF is a field-filtered duplicate water quality sample taken from well HC-5.

TABLE 18.

VOLATILE ORGANIC COMPOUNDS - SUPPLEMENTARY TEST PIT SOIL QUALITY TEST RESULTS

Lot No. 6, Riverside Technology Park

September, 2001

Test Pit No.:	HP-A5	HP-AB2.5	HP-B2	HP-B2.5	HP-B4 (4')	HP-B4 (7')	HP-C2	TAGM
Date:	11/16/01	11/16/01	11/16/01	11/16/01	11/16/01	11/16/01	11/16/01	#4046
								Objectives
	750	No	770	740	670	760	No	
Parameter		VOC					VOC	
		Testing					Testing	
Chloromethane	ND		ND	ND	ND	ND		
Bromomethane	ND		ND	ND	ND	ND		
Vinyl Chloride	ND		ND	ND	ND	ND		
Chloroethane	ND		ND	ND	ND	ND		
Methylene Chloride	ND		ND	ND	ND	ND		
Acetone	ND		ND	ND	ND	ND		
Carbon Disulfide	ND		ND	ND	ND	ND		
1,1-Dichloroethene	ND		ND	ND	ND	ND		
1,1-Dichloroethane	ND		ND	ND	ND	ND		
1,2-Dichloroethene Total	ND		ND	ND	ND	ND		
Chloroform	ND		ND	ND	ND	ND		
1,2-Dichloroethane	ND		ND	ND	ND	ND		
2-Butanone	ND		ND	ND	ND	ND		
1,1,1-Trichloroethane	ND		ND	ND	ND	ND		
Carbon Tetrachloride	ND		ND	ND	ND	ND		
Vinyl Acetate	ND		ND	ND	ND	ND		
Bromodichloromethane	ND		ND	ND	ND	ND		
1,2-Dichloropropane	ND		ND	ND	ND	ND		
t-1,3-Dichloropropene	ND		ND	ND	ND	ND		
Trichloroethene	ND		ND	ND	ND	ND		
Dibromochloromethane	ND		ND	ND	ND	ND		
1,1,2-Trichloroethane	ND		ND	ND	ND	ND		
Benzene	ND		ND	ND	ND	ND		
cis-1,3-Dichloropropene	ND		ND	ND	ND	ND		
2-Chloroethyl Vinyl ether	ND		ND	ND	ND	ND		
Bromoform	ND		ND	ND	ND	ND		
4-Methyl-2-Pentanone	ND		ND	ND	ND	ND		
2-Hexanone	ND		ND	ND	ND	ND		
Tetrachloroethene	ND		ND	ND	ND	ND		
1,1,2,2-Tetrachloroethane	ND		ND	ND	ND	ND		
Toluene	ND		ND	ND	ND	ND		
Chlorobenzene	ND		ND	ND	ND	ND		
Ethylbenzene	17,000		ND	ND	ND	ND		5,500
Styrene	ND		ND	ND	ND	ND		
m/p Xylenes	65,000		ND	ND	ND	ND		1,200
o-Xylene	2,300		ND	ND	ND	ND		1,200
1,3-Dichlorobenzene	ND		ND	ND	ND	ND		
1,4-Dichlorobenzene	ND		ND	ND	ND	ND		
1,2-Dichlorobenzene	ND		ND	ND	ND	ND		
Sum Tentative Identified Compounds:	257,000		153,600	112,400	217,100	281,000		
Total Volatile Compounds	341,300		153,600	112,400	217,100	281,000		10,000
Total Petrol. Hydrocarbons, mg/kg:	2,500	99	7,200	2,500	2,500	6,600	71	

Note: All concentrations reported as micrograms per liter (ug/kg), which is equivalent to parts per billion (ppb). [Except TPH, in mg/kg]
Sum Tentatively Identified compounds (TICS) is the sum of estimated concentrations of laboratory reported TICS.
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
Date refers to date of sampling

TABLE 19.
IVOLATILE ORGANIC COMPOUNDS - SUPPLEMENTARY TEST PIT SOIL QUALITY TEST RESL
Lot No. 6, Riverside Technology Park
September, 2001

Test Pit No.:	HP-A5	HP-B2	HP-B2.5	HP-B4 (4')	HP-B4 (7')	TAGM	TAGM
Date:	11/16/01	11/16/01	11/16/01	11/16/01	11/16/01	#4046	#4046
	2,000 *	2,100 *	400	1,800 *	4,100 *	Rec. Soil	Soil Cleanup
Parameter						Cleanup	GW Quality
Phenol	ND	ND	ND	ND	ND		
bis(2-chloroethyl)ether	ND	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	ND	ND	ND	ND	ND		
Benzyl alcohol	ND	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND	ND		
bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND		
3+4-Methylphenols	ND	ND	ND	ND	ND		
n-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND	ND		
Benzoic acid	ND	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND		
Naphthalene	**10,000**	ND	ND	ND	ND	*13,000*	*13,000*
4-Chloroaniline	ND	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND		
2-Methylnaphthalene	**11,000**	**12,000**	**2,900**	**9,900**	**25,000**	*36,400*	*36,400*
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND		
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND	ND		
Dimethylphthalate	ND	ND	ND	ND	ND		
Acenaphthylene	ND	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND	ND		
Acenaphthene	ND	1,500 J	**440**	340 J	1,500 J	*50,000*	*90,000*
2,4-Dinitrophenol	ND	ND	ND	ND	ND		
4-Nitrophenol	ND	ND	ND	ND	ND		
Dibenzofuran	240 J	2,000 J	**590**	300 J	950 J	*6,200*	*6,200*
2,4-Dinitrotoluene	ND	ND	ND	ND	ND		
Diethylphthalate	ND	ND	ND	ND	ND		
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND		
Fluorene	350 J	2,900 J	**850**	320 J	1,300 J	*50,000*	*350,000*
4-Nitroaniline	ND	ND	ND	ND	ND		
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND		
n-Nitrosodiphenylamine	ND	ND	ND	ND	ND		
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND		
Hexachlorobenzene	ND	ND	ND	ND	ND		
Pentachlorophenol	ND	ND	ND	ND	ND		
Phenanthrene	370 J	4,800 J	**520**	290 J	1,700 J	*50,000*	*220,000*
Anthracene	ND	640 J	120 J	ND	450 J		
Di-n-butylphthalate	ND	ND	ND	ND	ND		
Fluoranthene	ND	660 J	230 J	ND	1,000 J		
Pyrene	ND	540 J	200 J	ND	600 J		
Butylbenzylphthalate	ND	ND	ND	ND	ND		
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND		
Benzo(a)anthracene	ND	ND	48 J	ND	ND		
Chrysene	ND	ND	68 J	ND	ND		
bis(2-Ethylhexyl)phthalate	ND	ND	75 J	ND	ND		
Di-n-octylphthalate	ND	ND	ND	ND	ND		
Benzo(b)fluoranthene	ND	ND	ND	ND	ND		
Benzo(k)fluoranthene	ND	ND	ND	ND	ND		
Benzo(a)pyrene	ND	ND	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND		
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND		
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND		
Sum Tentative Identified Compounds:	39,960	27,890	33,950	35,600	34,100		
Total Semi-Volatile Compounds:	61,920	52,930	39,991	46,750	66,500	*500,000*	
Total Petrol. Hydrocarbons, mg/kg:	2,500	7,200	2,500	2,500	6,600		

Note: All concentrations reported as micrograms per liter (ug/KG), which is equivalent to parts per billion (ppb).
J = Estimated value which is less than the specified minimum detection limit but greater than zero.
U = The compound was analyzed for but not detected at the specified limit which exceeds the contract required detection limit.
Date refers to sample date
Positive determinations in bold type. * Denotes dilutied sample

TABLE 19
SEMIVOLATILE ORGANIC COMPOUNDS
TEST PIT SOIL QUALITY TEST RESULTS

Table 21 - 1
Total Organic Compound Calculation Summary - Ground Water
Lot No. 6, Riverside Technology Park
Schenectady, New York

GROUND WATER 9/7/00									
Monitoring Well No.	HC-1	HC-2S	HC-2D	HC-3	HC-4S	HC-4D	HC-5	HC-6	HC-7 (HC-6 dupe)
VOCS									
TCL Positive			8.0						
TCL Estimated		2.5	3.0		3.9				
TIC's			54.0		355.0	18.0	247.0	48.0	93.0
Sub-Total	*0.0*	*2.5*	*65.0*	*0.0*	*358.9*	*18.0*	*247.0*	*48.0*	*93.0*
SEMI-VOCS									
TCL Positive					15.0				
TCL Estimated	2.3	7.3	9.0	1.2	3.1	1.6	9.3	1.2	1.5
TIC's	6.0	138.0	23.0	17.0	169.0	31.0	62.0	82.0	110.0
Sub-total	*8.3*	*145.3*	*32.0*	*18.2*	*187.1*	*32.6*	*71.3*	*83.2*	*111.5*
TOTAL: WATER	***8.3***	***147.8***	***97.0***	***18.2***	***546.0***	***50.6***	***318.3***	***131.2***	***204.5***

GROUND WATER 9/26/01									
Monitoring Well No.	HC-1	HC-2S	HC-2D	HC-3	HC-4S	HC-4D	HC-5	HC-6	HC-6d dupe)
VOCS									
TCL Positive	*NA*	253.0		*NA*	18.0	19.0		8.2	
TCL Estimated	*NA*	5.1		*NA*					
TIC's	*NA*	850.0	8.1	*NA*	334.0	27.0	51.8		34.6
Sub-Total	*NA*	*1,108.1*	*8.1*	*NA*	*352.0*	*46.0*	*51.8*	*8.2*	*34.6*
SEMI-VOCS									
TCL Positive	*NA*			*NA*					
TCL Estimated	*NA*	10.7	4.1	*NA*	3.8		2.6		2.3
TIC's	*NA*	318.5	81.8	*NA*	180.3	47.8	183.7	28.7	130.5
Sub-total	*NA*	*329.2*	*85.9*	*NA*	*184.1*	*47.8*	*186.3*	*28.7*	*132.8*
TOTAL: WATER	***NA***	***1,437.3***	***94.0***	***NA***	***536.1***	***93.8***	***238.1***	***36.9***	***167.4***

GROUND WATER 9/26/01									
Geoprobe No.	HC-4-1	HC-4-2	HC-4-3		HC-5-1	HC-5-2	HC-5-2d dupe	HC-5-3	HC-8 (8/9/02)
VOCS									
TCL Positive									
TCL Estimated									
TIC's	58	32.1			11.0	18.7	13.4	5.8	
Sub-Total	*58.0*	*32.1*	*0.0*		*11.0*	*18.7*	*13.4*	*5.8*	
SEMI-VOCS									
TCL Positive	16.0					11.0			
TCL Estimated	8.0	9.1	1.1		6.1	3.1	7.5	15.9	
TIC's	327.7	344.0	194.1		206.4	189.0	221.6	248.6	
Sub-total	*351.7*	*353.1*	*195.2*		*212.5*	*203.1*	*229.1*	*264.5*	
TOTAL: WATER	***409.7***	***385.2***	***195.2***		***223.5***	***221.8***	***242.5***	***270.3***	

All concentrations reported in ug/L or ug/kg (ppb)

Table 21 - 2
Total Organic Compound Calculation Summary - Soil
Lot No. 6, Riverside Technology Park
Schenectady, New York

SOIL BORINGS	HC-1	HC-2S	HC-2D	HC-3	HC-4S	HC-4D	HC-5	HC-6
(Shallow Sample)		off-set						
VOCS								
TCL Positive						8.6		
TCL Estimated		5.2	NA	2.1	NA			
TIC's	100.0	15.0	NA	71.0	NA	50.0	110.0	110.0
Sub-Total	*100.0*	*20.2*	*NA*	*73.1*	*NA*	*58.6*	*110.0*	*110.0*
SEMI-VOCS								
TCL Positive			NA		NA	410.0	510.0	
TCL Estimated	934.0	817.0	NA	62.0	NA	1,546.0	1,682.0	224.0
TIC's	1,200.0	1,000.0	NA		NA			
Sub-total	*2,134.0*	*1,817.0*	*NA*	*62.0*	*NA*	*1,956.0*	*2,192.0*	*224.0*
TOTAL: SHALLOW SOIL	***2,234.0***	***1,837.2***	***NA***	***135.1***	***NA***	***2,014.6***	***2,302.0***	***334.0***
SOIL BORINGS	HC-1	HC-2S	HC-2D	HC-3	HC-4S	HC-4D	HC-5	HC-6
(Deep Sample)		off-set						
VOCS								
TCL Positive		117,600						
TCL Estimated			NA		NA			
TIC's	110	63,000	NA	14	NA		1,800	91
Sub-Total	*110*	*180,600*	*NA*	*14*	*NA*	*0*	*1,800*	*91*
SEMI-VOCS								
TCL Positive		11,800	NA		NA		3,290	
TCL Estimated	120	580	NA	250	NA		716	170
TIC's		11,000	NA		NA		1,070	1,393
Sub-total	*120*	*23,380*	*NA*	*250*	*NA*	*0*	*5,076*	*1,563*
TOTAL: DEEP SOIL	***230***	***203,980***	***NA***	***264***	***NA***	***0***	***6,876***	***1,654***
TEST PITS (11/16/01)	HP-A5	HP-B2	HP-B2.5	HP-B4 (4)	HP-B4 (7)			
VOCS								
TCL Positive	74,300							
TCL Estimated								
TIC's	257,000	153,600	112,400	217,100	281,000			
Sub-Total	*331,300*	*153,600*	*112,400*	*217,100*	*281,000*			
SEMI-VOCS								
TCL Positive	21,000	12,000	5,300	9,900	25,000			
TCL Estimated	960	13,040	741	1,250	7,500			
TIC's	39,960	27,890	33,950	35,600	34,000			
Sub-total	*61,920*	*52,930*	*39,991*	*46,750*	*66,500*			
TOTAL: TEST PITS	***393,220***	***206,530***	***152,391***	***263,850***	***347,500***			

All concentrations reported in ug/L or ug/kg (ppb)

Table 21 - 3A
Total Organic Compound Calculation Summary - Phase III Geoprobes - Soil
Lot No. 6, Riverside Technology Park
Schenectady, New York

GEOPROBE:		B-10	C-10	C-10	FS-4	FS-6	FS-6	HC-5	HC-8
(Imported Fill Soil)		B10-B	C10-A	C10-B	FS-4A	FS-6A	FS-6B		
VOCS									
TCL Positive		0.0	0.0	0.0	0.0	0.0	0.0		
TCL Estimated		0.0	0.0	0.0	0.0	0.0	0.0		
TIC's									
Sub-Total		*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*		
SEMI-VOCS									
TCL Positive		0.0	13,180.0	0.0	0.0	0.0	0.0		
TCL Estimated		1,704.0	822.0	818.0	169.0	0.0	0.0		
TIC's		7,900.0	0.0	8,180.0	6,210.0	38,980.0	45,900.0		
Sub-total		*9,604.0*	*14,002.0*	*8,998.0*	*6,379.0*	*38,980.0*	*45,900.0*		
TOTAL, IMPORTED FILL:		***9,604.0***	***14,002.0***	***8,998.0***	***6,379.0***	***38,980.0***	***45,900.0***		

GEOPROBE:		HC-7	HC-8	HC-9	B-10	C-10	FS-2	FS-4	FS-6
(Lot No. 6 Soil)		HC7-10	HC8-13	HC9-12	B10-9	C10-10	FS-2A	FS-4B	FS-6-10
VOCS									
TCL Positive		92	0	0	0	0	0	0	0
TCL Estimated		0	0	*0*	0	*0*	0	0	0.0
TIC's		3,380	6,520	*1,257*	8,170	*1,636*			6.2
Sub-Total		*3,472*	*6,520*	*1,257*	*8,170*	*1,636*	*0*	*0*	*6.2*
SEMI-VOCS									
TCL Positive		0	0	*0*	0	*3,400*	0	0	0
TCL Estimated		3,190	5,748	*150*	463	*773*	258	39	306
TIC's		27,500	20,970	*20,170*	35,100	*30,600*	20,600	7,200	1,100
Sub-total		*30,690*	*26,718*	*20,320*	*35,563*	*34,773*	*20,858*	*7,239*	*1,406*
TOTAL, LOT NO. 6:		***34,162***	***33,238***	***21,577***	***43,733***	***36,409***	***20,858***	***7,239***	***1,412***

Table 21 - 3B
Total Organic Compound Calculation Summary - Phase III Ground Water
Lot No. 6, Riverside Technology Park

WELL/GEOPROBE:		HC-4S	HC-4S dupe	HC-5		HC-8
VOCS						
TCL Positive		50.0	52.0	0.0		0.0
TCL Estimated		0.0	0.0	*0.0*		*2.5*
TIC's		97.2	115.4	*0.0*		*6.4*
Sub-Total		*147.2*	*167.4*	*0.0*		*8.9*
SEMI-VOCS						
TCL Positive		0.00	0.95	*0.84*		*22.99*
TCL Estimated		1.0	0.0	*0.0*		*0.0*
TIC's		99.6	18.1	*97.0*		*148.1*
Sub-total		*100.6*	*19.1*	*97.8*		*171.1*
TOTAL, WATER:		***247.8***	***186.5***	***97.8***		***180.0***

All concentrations reported in ug/L or ug/kg (ppb)

7.0 REMEDIAL ALTERNATIVES

7.1 Remedial Action Objectives

Remedial Action Objectives are provided to set forth conditions that will satisfy applicable New York State Standards, Criteria and Guidelines (SCGs) and/or alternative goals that appropriately provide for the protection of public health and the environment.

The SCGs applicable to the Lot No. 6 site include those that address the quality of impacted ground water and soils, specifically including the following:

- NYSDEC Division of Water TOGS 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations"

  Wherein limitations are placed upon individual organic compound concentrations, in addition to a limitation of 100 ppb for the total concentration of all organic substances.

- NYSDEC TAGM #4046 "Soil Cleanup Objectives and Cleanup Levels"

  Wherein limitations are placed upon individual and total organic compounds, as follows:

  Total VOCs less than or equal to 10 ppm (10,000 ppb)
  Total Semi-VOCs less than or equal to 500 ppm (500,000 ppb)
  Individual Semi VOCs less than or equal to 50 ppm (50,000 ppb)
  Total Pesticides less than or equal to 10 ppm (10,000 ppb)

- NYSDOH State Sanitary Code Subpart 5-1

  Wherein limitations are placed upon individual principal organic compound (POC) concentrations at 5 ppb, individual unspecified organic compound (UOC) concentrations at 50 ppb, in addition to a limitation of 100 ppb for the total POC plus UOC concentrations.

  There is no recognized standard for water or soil quality with respect to the measure of Total Petroleum Hydrocarbons (TPH).

The application of these state remedial action objectives will be judged against the appropriate need for action to provide for the protection of public health and the environment. A waiver of these may be reasonably requested in specific instances based upon site specific conditions and circumstances that would preclude a threat to the public health or to further or additional degradation of environmental conditions on the Lot No. 6 property or neighboring properties.

7.2 Response Actions

Remedial action considered for the Imported Western Fill Soils calls for the limited excavation and removal of a very localized area of contaminated soil in the vicinity of grid point C-10. The total extent of removed soils will be determined by field screening of soil during the course of the remedial activity. The limited and very irregular distribution of contamination within the Fill Soils causes any other remedial action to be ineffective.

Remedial actions considered for identified contamination of the Lot No. 6 subsurface soils include those that will provide for the removal of specified contaminated soils, with and without contaminant destruction, the removal and treatment of specified contaminated soils, both on-site and off-site, and the reduction of contaminant concentrations in specified in-situ contaminated soils. The remediation required must address individual TCL contamination as well as total VOC contamination concentrations above the clean-up guidance values of NYSDEC TAGM 4046. Semi-VOCs identified on site do not exceed the clean-up guidance of TAGM 4046. The remedial response actions are therefore assessed predominantly with regard to VOC contamination.

The soils of concern include the areas designated as Area A and Area B on Drawing No. 01-158.03-7, "Soil Gas & Supplemental Soil Data, Impacted Soils." Soils to be addressed are the soils in this area, generally above the water table but including the smear zone. The total area included is approximately 9,000 square feet, with an approximate depth of soil of up to 6.5 feet. This computes to approximately 3,600 tons of soil to be addressed. Field screening of soil during the course of the remedial activity may revise this estimate, either upward or downward.

Remedial actions considered for identified ground water contamination include those that will provide for the reduction of contaminant concentrations in-situ, provide ground water removal and treatment, and also include a no-action alternative considering a waiver of applicable SCGs based upon site-specific public health risk conditions. The remediation required must address only very low concentrations of specific TCL VOCs, but also total VOC and Semi-VOC concentrations above the limits of NYSDEC TOGS 1.1.1 and NYSDOH Code Subpart 5.1. The area of ground water contamination to be considered includes the immediate vicinity of monitoring well HC-2, and the general area of monitoring wells HC-4 and HC-5.

7.3 Development of Applicable Alternatives

The remedial action addressing Imported Western Fill Soil contamination is limited to the following:

- Excavation and removal of contaminated soil, with contaminant destruction or disposal.

Alternative remedial actions addressing specified soil contamination include the following:

- Excavation and removal of contaminated soil, with contaminant destruction
- Excavation and removal of contaminated soil, with contaminated soil landfilled
- Excavation of soil with biopile treatment, both on-site and off-site
- In-situ treatment of contaminated soil through contaminant concentration reduction by soil vapor extraction (SVE)
- Excavation and on-site treatment of contaminated soil through contaminant concentration reduction by accelerated natural attenuation (application of Oxygen Release Compound, ORC).
- Deed restrictions on future site use.

Alternative remedial actions addressing specified ground water contamination include the following:

- Withdrawal and treatment of contaminated ground water through pumping wells and above-ground treatment using accepted technologies for treatment of organic compound contaminated water.
- In-situ treatment of contaminated ground water through reduction of contaminants by soil vapor extraction (SVE), with sparging.
- In-situ treatment of contaminated ground water through reduction of contaminants by accelerated natural attenuation (application of Oxygen Release Compound, ORC).
- "No Action," considering a waiver of applicable SCGs based upon site-specific public health risk conditions of limited significance, with long term ground water quality monitoring.
- Deed restrictions on future site use.

Soil Remediation Alternatives

1. Soil Excavation and Removal

Excavation and removal of soil will effectively remove the contaminated soil and is a proven and reliable technology. The removal by excavation is easily implemented. Unsaturated soils above the water table are more easily screened and removed then saturated soils below the water table, and complete removal of the smear zone of contamination may require some removal of contaminated soils below the water table. Removal of smear zone soils below the water table is somewhat less effective than removal of overlying unsaturated soils.

Field screening of soils during the excavation process may reduce the total quantity of soil to be removed from the site for disposal or destruction, and will reduce replacement backfill needs. Conversely, screening will allow for expansion of the soil removal area based upon up-dated on-going site characterization of the contaminated area so that complete and proper removal of contaminated soils may be achieved. Excavation activities will be guided by PID or field GC VOC screening of excavated soils prior to removal from the site. Only those soils indicating VOCs above a yet to-be-determined threshold level would be considered sufficiently contaminated to require removal from the site for destruction or disposal. Representative sampling and testing to calibrate field screening threshold values and actual soil VOC concentrations would be provided. Final excavation limits would be determined by proof sampling and testing for VOCs.

Soils may be either disposed of at landfill and utilized as solid waste cover soil, or may be brought to a treatment facility (e.g. ESMI of New York, Fort Edward, NY) for thermal destruction of contaminants. For either of these alternative end points, costs will be determined solely by unit rates at the disposal/destruction facility and transportation costs. Other costs in addition to excavation, transportation, and disposal/destruction include waste profiling, excavation limit proof monitoring, and administrative and engineering oversight.

This alternative may be advanced quickly and need not be a long duration process, which will allow the Lot No. 6 parcel to be quickly placed into productive use upon soil removal and proof testing.

2. Soil Excavation with Biopile Treatment

Excavation of soil followed by treatment in a biopile will proceed essentially the same as the excavation discussed above, however the excavated soils will be placed in a biopile and treated by venting and accelerated natural attenuation. Biopile construction and monitoring will be in accordance with NYSDEC Division of Spills Management STARS Memo #2, and may take place on-site, in an area not impacted by soil excavation, or off-

site if a suitable site under the control of COSIDA can be identified and approved. Treated soils may be utilized as backfill for site excavations.

Biopile technology is reliable and effective in reducing contamination concentration in soils to acceptable levels. It can be easily implemented once a site is designated. After excavation of soils, the soils are placed in an engineered pile with isolation and containment from the local environment (within a constructed shed, or possibly simply covered with plastic upon a designated, lined area).

Prior to pile construction addition and blending of bio-nutrients and possibly oxygen releasing compounds (ORCs) to the soil is required. Addition of forced or passive ventilation through perforated pipe within the pile may be required.

Costs, in addition to excavation, will include engineering design and construction of the biopile and containment facility, purchase, application, and mixing of ORCs and nutrients, periodic biopile sampling and testing, possible energy costs if positive ventilation is used, and administrative and engineering oversight.

This alternative will require additional lead time for engineering design of the bio-pile system, for identification of a biopile system site (if off-site location is selected rather than an on-site alternative), and possibly to bring electric power to the site. The schedule of completion and acceptance of site remediation (if the biopile is located on-site) will be extended to allow for the contaminant attenuation process. During this period the property would presumably not be available for sale and productive commercial use.

3. Soil Vapor Extraction (SVE)

Soil Vapor Extraction is a proven and reliable technology given suitable site conditions and contaminant characteristics. The technology relies on removal of organic vapor from soils in-situ, within and above the vadose zone, and attenuation of soil contaminant concentrations (and to some extent ground water contaminant concentrations) by progressive vaporization of volatile constituents. Since the contaminant concentration attenuation process relies upon the progressive volatilization of contaminants this technology is more effective with VOCs than Semi VOCs, although success has been achieved with Semi VOCs. The process also relies upon permeable soil media and a free flow of soil gas through the soil. The effectiveness and required schedule to accomplish an acceptable reduction in contaminants is dependent upon these two factors (volatilization of contaminants and soil permeability/flow of soil gas).

An SVE remediation system requires that an extraction system (perforated wells or horizontal piping system) be installed within the soil mass to be remediated, and a vacuum be applied to the pipe/well array, generally with electrically driven pumps. Extracted soil gas with contaminant vapor is collected from the pipe/well array, possibly with moisture removal, and discharged to the atmosphere.

Costs will include design and implementation of a pilot program to prove the feasibility of the technology on the Lot No. 6 site and provide design information for subsequent engineering design and construction of the SVE system. The system will require electric service to the site and on-going energy costs, as well as periodic monitoring of collected organic vapor, proof sampling and testing upon completion of the remediation period, and administrative and engineering oversight during system construction and operation.

This alternative will require additional lead time for development of a pilot program, engineering design of the SVE system. The schedule of remediation completion and acceptance of site remediation will be extended to allow for the removal of contaminants by SVE. During this period the property would presumably not be available for sale and productive commercial use.

4. Accelerated Natural Attenuation (w/ ORC).

Accelerated Natural Attenuation through the application of oxygen releasing compounds (ORCs) and bio-nutrients is a technology that has been successful in remediation of organic compound contaminated soil and ground water given suitable site conditions and contaminant characteristics. The technology relies on the bio-attenuation of contaminant concentrations by biologic (microbial) metabolic activity acting directly on the contaminants. The technology relies on naturally occurring processes being encouraged, enhanced, and accelerated by the application of oxygen and metabolic nutrients to the contaminated soil mass. Removal of organic contaminants is accomplished by the progressive alteration of the contaminants to metabolic by-products and organic compounds of lessor toxicity, if not non-toxicity. This technology is effective with VOCs as well as Semi VOCs. The process relies on the dispersion of ORCs and nutrients within the soil mass, accomplished by application and mixing. The application of this technology on the Lot No. 6 site would involve the excavation of contaminated soils, application of ORC and nutrients to the excavated soil pile, and replacement of the blended soil/amendment mix to the excavation. The technology has been shown to be effective. The required schedule to accomplish acceptable reduction in contaminants is dependent upon suitable application and blending of sufficient ORC and nutrients, and added moisture during the remediation period, considering the contaminant concentration and remediation goals, and the specific rate of metabolism that is specific for each compound. Experience has shown that in some instances a second application of ORC and nutrients has been required to meet remediation goals.

Costs will include definition and design of the proper application rates of ORC, the purchase of ORC materials and nutrients, in addition to excavation and mixing. Also required is sampling and proof testing of the treated soil mass and possible re-excavation and application of additional amendments in non-attainment areas.

The schedule of remediation completion, and acceptance of site remediation, will be extended to allow for the attenuation of contaminants by bioactivity. During this period the property would presumably not be available for sale and productive commercial use.

Ground Water Remediation Alternatives

5. Ground Water Pump & Treat

Ground water pump extraction & treatment is a proven and reliable technology given suitable site conditions and contaminant characteristics. The technology relies on the removal of contaminated ground water with the subsequent removal of organic compounds by air stripping, carbon adsorption, or other above-ground treatment process. It is anticipated that air stripping with or without carbon polishing will be required at the Lot No.6 site. It is possible that carbon adsorption alone may provide sufficient treatment. The process also relies upon permeable soil media and a free flow ground water to extraction wells, and removal at an extraction rate suitable to the site conditions and treatment system capabilities. The effectiveness and required schedule to accomplish acceptable reduction in contaminants is dependent upon these two factors (extraction rate and treatment system capabilities).

A ground water pump & treat system requires suitable extraction wells installed within the ground water contamination area, and may use the existing monitoring wells although additional well installations will likely be required as determined by a pilot test program. Upon installation of a proper ground water extraction well array, pumps are installed in each well and power distribution and ground water recovery piping to the treatment facility must be installed. Ground water treatment takes place in a portable or temporary facility (trailer or shed) with treated water discharged to surface soils on the site.

Costs will include design and implementation of a pilot program to prove the feasibility of the technology on the Lot No. 6 site and provide design information for subsequent engineering design and construction of the pumping and treatment systems. The system will require electric service to the site and on-going energy costs. Also required is periodic monitoring of treatment system discharges, ground water sampling and testing for process monitoring and proof testing using existing monitoring wells and new extraction wells, and administrative and engineering oversight during system construction and operation.

This alternative will require additional lead-time for development of a pilot program, and engineering design of the pump & treat system. The schedule of remediation completion and acceptance of site remediation will be extended to allow for the removal of contaminants. During this period the property would presumably not be available for sale and productive commercial use.

6. Soil Vapor Extraction (SVE) with Sparging

Soil Vapor Extraction combined with a ground water sparging operation is a proven and reliable technology given suitable site conditions and contaminant characteristics.

The technology relies on the stripping of organic compounds from ground water in-situ with the subsequent removal of organic vapor from within and above the vadose zone, leading to reduction of contaminant concentrations by progressive stripping of volatile constituents from ground water. Since the contaminant concentration attenuation process relies upon the progressive volatilization of contaminants this technology is more effective with VOCs than Semi VOCs, although success has been achieved with Semi VOCs. The process also relies upon permeable soil media and a free flow of soil gas through the soil. The effectiveness and required schedule to accomplish acceptable reduction in contaminants is dependent upon these two factors (volatilization of contaminants and soil permeability/flow of soil gas).

An SVE-Sparging remediation system requires that an air injection system (perforated wells or horizontal piping system) be installed within the contaminated ground water to be remediated. A second soil gas evacuation system is installed within the soil mass above the highest anticipated ground water level. Air is injected into the air injection (sparging) array, the injected air rises through the contaminated water mass, striping volatile constituents as it passes through the mass. The air sparging stripped VOCs are collected in the evacuation (SVE) array. Both the sparging and SVE systems utilize electric driven air pumps for injection/evacuation. Extracted soil gas with contaminant vapor is collected from the SVE array, possibly with moisture removal, and discharged to the atmosphere.

Costs will include design and implementation of a pilot program to prove the feasibility of the technology on the Lot No. 6 site and provide design information for subsequent engineering design and construction of the SVE and sparging systems. The system will require electric service to the site and on-going energy costs. Also required is periodic monitoring of collected organic vapor, ground water sampling and testing for process monitoring and proof testing using existing monitoring wells and possible additional geoprobe soil borings, and administrative and engineering oversight during system construction and operation.

This alternative will require additional lead-time for development of a pilot program, and engineering design of the SVE-Sparging system. The schedule of remediation completion and acceptance of site remediation will be extended to allow for the removal of contaminants by SVE. During this period the property would presumably not be available for sale and productive commercial use.

7. Accelerated Natural Attenuation (w/ ORC).

Accelerated Natural Attenuation through the application of oxygen releasing compounds (ORCs) and bio-nutrients is a technology that has been successful in remediation of organic compound contaminated ground water given suitable site conditions and contaminant characteristics.

The technology relies on the bio-attenuation of contaminant concentrations by biologic (microbial) metabolic activity acting directly on the contaminants. The technology relies on naturally occurring processes being encouraged, enhanced, and accelerated by the application of oxygen and metabolic nutrients to the contaminated ground water. Removal of organic contaminants is accomplished by the progressive alteration of the contaminants to metabolic by-products and organic compounds of lessor toxicity, if not non-toxicity. This technology is effective with VOCs as well as Semi VOCs. The process relies on the dispersion of ORCs and nutrients within the zone of contaminated ground water, and the distribution and mixing of these with the ground water. The application of this technology on the Lot No. 6 site would involve the application of ORC and nutrients to the contaminated ground water zone utilizing geoprobe soil boring injection in a grid over the contaminated area. The technology has been shown to be effective and the required schedule to accomplish acceptable reduction in contaminants is dependent upon suitable application of sufficient ORC and nutrients, considering the contaminant concentration, remediation goals, and the specific rate of metabolism that is specific for each compound. Experience has shown that in some instances a second application of ORC and nutrients has been required to meet remediation goals.

Costs will include definition and design of the proper application rates of ORC and nutrients, the purchase of suitable ORC materials and injection of ORC in a grid array of geoprobe soil borings. Also required is ground water sampling and testing for process monitoring and proof testing using existing monitoring wells and possible additional geoprobe soil borings.

The schedule of remediation completion, and acceptance of site remediation, will be extended to allow for the attenuation of contaminants by bioactivity. During this period the property would presumably not be available for sale and productive commercial use.

8. No Action – Waiver of SCGs

The "No Action" alternative accepts the existing conditions as they are and makes no attempt to remediate the site to improve ground water conditions. Acceptance of this alternative relies upon the acceptance of the identified risks to public health and the environment presented by the low levels of contaminants identified, both TCL and estimated TIC concentrations. Some SCGs will not be met (total organic compounds less than 100 ppb), and a waiver from these will be required for final site acceptance.

There are no site improvements inherent in this alternative and no implementation costs or schedule extension, other than administrative costs and time associated with the request and documentation of the waiver to applicable SCGs. However, the NYSDEC may (subject to review of environmental and public health risks) require the continued monitoring of ground water quality until such time as long-term steady state or rate of contaminant attenuation can be determined and assessed. If required, quarterly ground water monitoring with annual report preparation for a period of five years is anticipated.

9. Deed Restriction on Future Property Use

In each alternative case, since the possibility of undiscovered contamination or remaining contamination below SCGs exists, future site use should be restricted. A limitation on future excavation should be maintained, to include environmental and personal protection screening and monitoring for VOC and Semi-VOC exposure to excavated soils or vapors in site excavations. In addition, an exclusion of the growth of food crops should be maintained and future construction or installations should include provisions for suitable VOC/Semi-VOC vapor barriers to basement or at-grade enclosed areas and provision for ventilation of foundation soils below basement or ground floor slabs.

7.4 Alternatives Evaluation Criteria

Each of the remedial action alternatives is evaluated and rated in accordance with established criteria. The first two evaluation criteria are termed threshold criteria and must be satisfied in order for an alternative to be considered for selection.

1. Compliance with New York State Standards, Criteria, and Guidance (SCGs).

   Compliance with SCGs addresses whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance. The most important SCGs for the Riverside Technology Park Brownfields Site are Technical Administrative Guidance Memorandum #4046 on soil contamination, Public Health Standards for Drinking Water, and DEC Part 5.7 Ground Water Standards.

2. Protection of Human Health and the Environment.

   This criterion is an overall evaluation of each alternative's ability to protect public health and the environment.

3. Short-term Effectiveness.

   The potential short-term adverse impacts of the remedial action upon the community, the workers, and the environment during the construction and/or implementation are evaluated. The length of time needed to achieve the remedial objectives is also estimated and compared against the other alternatives.

The next five "primary balancing criteria" are used to compare the positive and negative aspects of each of the remedial strategies.

4. Long-term Effectiveness and Permanence.

   This criterion evaluates the long-term effectiveness of the remedial alternatives after implementation. If wastes or treated residuals remain on site after the selected remedy has been implemented, the following items are evaluated:

   1) the magnitude of the remaining risks,
   2) the adequacy of the controls intended to limit the risk, and
   3) the reliability of these controls.

5. Reduction of Toxicity, Mobility or Volume.

   Preference is given to alternatives that permanently and significantly reduce the toxicity, mobility or volume of the contaminants at the site.

6. Implementability.

   The technical and administrative feasibility of implementing each alternative is evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.

7. Cost.

   Capital and operation and maintenance costs are estimated for each alternative and compared on a present worth basis. Although cost is the last balancing criterion evaluated, where two or more alternatives have met the requirements of the remaining criteria, cost effectiveness can be used as the basis for the final decision. The costs for each alternative are presented in Table 22, "Remedial Alternatives Analysis Summary."

The final criterion, Community Acceptance, is considered a modifying criterion and is taken into account after evaluating those above. It is evaluated after public comments on the Proposed Remedial Action Plan have been received.

8. Community Acceptance

   Concerns of the community regarding the SI/RAR and the Proposed Remedial Action Plan are evaluated. A "Responsiveness Summary" will be prepared that describes public comments received and the manner in which the NYSDEC will address the concerns raised. If the selected remedy differs significantly from the proposed remedy, notices to the public will be issued describing the differences and reasons for the changes.

8.0 REMEDIAL ALTERNATIVES ANALYSIS

8.1 Soil Excavation & Removal

Compliance with SCGs

Soil excavation and removal will provide complete compliance with applicable SCGs (TAGM 4046, STARS Memo #1, (C_h)) with regard to those soils addressed, in that soils exhibiting contamination in exceedance of SCGs are completely removed from the site.

Protection of Human Health & Environment

Soil excavation and removal to either destruction or disposal at landfill will provide protection of human health and environment to that required by SCGs. Soil contamination at contaminant concentrations below the applicable SCG thresholds will remain, however this contamination is located in the subsurface and presents no risk of public exposure or additional environmental degradation except as a potential continued source of low level contamination of ground water. Less than complete removal of contaminants at concentrations below SCG thresholds provides a potential for human exposure to low level contamination during soil excavation or grading activities during future development or use of the property. Destruction is higher than disposal on the hierarchy of preferred response actions.

Short-term Effectiveness

Excavation and removal is accomplished utilizing common excavating equipment and procedures, operating under the provisions of a developed site Health and Safety Plan. Contaminant exposure to workers will possibly include air-borne dust, vapor phase organic compounds, and potential dermal contact with contaminated soil or water. The risks to the public beyond the limits of the site are likewise potential exposure to air-borne dust or vapor phase organic compounds. These issues will be addressed by environmental monitoring of VOCs and fugitive dust during remedial operations, and with proper containment of materials during transport from the site. Potential spills of contaminated soil will be addressed during development of design and operating procedures, calling for clean-up of spills and containment of contact stormwater.

Removal can be implemented very quickly after agency approval of engineering plans and bidding to qualified remedial contractors. The remediation construction (excavation and removal) period is estimated at from 2 to 4 months duration.

Soil excavation and removal is completely effective in the short term as soon as soil removal operations are complete. (Any soil beyond the limits of excavation that may contain undetected or discounted contamination, or contaminated soil significantly below the water table, will not be completely removed however.)

Long-term Effectiveness & Permanence

Soil excavation and removal is completely effective in the long term since identified contaminated soils are completely removed from the site. Any soil beyond the limits of excavation that may contain undetected or discounted contamination, or contaminated soil significantly below the water table, will not be completely removed. In addition, soil contamination on the site at concentrations below SCG thresholds and not included in removal operations will remain as a potential low-level source of contamination to ground water. After completion of remediation activities, no further site management will be required.

Reduction of Toxicity, Mobility & Transport

Soil excavation and removal provides complete removal of toxicity, mobility, and transport since the contaminant source is removed from the site. Any soil beyond the limits of excavation that may contain undetected or discounted contamination, or contaminated soil significantly below the water table, will not be completely removed however. In addition, soil contamination on the site at concentrations below SCG thresholds and not included in removal operations will remain as a potential low-level source of contamination to ground water.

Implementability (Feasibility / Institutional Considerations)

Soil excavation and removal is completely feasible and can proceed rapidly without further study or pilot programs. Common excavation and transport equipment can be utilized, and the required procedures have been well established by qualified remedial contractors. The excavation operations can easily be expanded to accommodate removal of additional, currently unidentified, soil exhibiting contamination in exceedance of SCGs. Sufficient capacity at destruction and disposai facilities exists to accommodate the anticipated soil quantities. No institutional barriers have been identified.

8.2 Soil Excavation with Biopile Treatment (On/Off Site)

Compliance with SCGs

Soil excavation and removal and biopile treatment will provide compliance with applicable SCGs (TAGM 4046) with regard to those soils exhibiting contamination in exceedance of SCGs, as long as biopile treatment is taken to an acceptable conclusion.

Protection of Human Health & Environment

Soil excavation and removal with biopile treatment will provide protection of human health and environment to that required by SCGs. Soil contamination at contaminant concentrations below the applicable SCG thresholds will remain, however this contamination is located in the subsurface and presents no risk of public exposure or additional environmental degradation except as a potential continued source of low level contamination of ground water. Less than complete removal or destruction of contaminants, and replacement of treated soil as backfill into site excavations creates a potential for human exposure to low level contamination during soil excavation or grading activities during future development or use of the property.

Short-term Effectiveness

Excavation and removal with biopile treatment is accomplished utilizing common excavating equipment and procedures, operating under the provisions of a developed site Health and Safety Plan. Contaminant exposure to workers will possibly include air-borne dust, vapor phase organic compounds, and potential dermal contact with contaminated soil or water. The risks to the public beyond the limits of the site (and the remote location if biopile treatment is off-site) are likewise potential exposure to air-borne dust or vapor phase organic compounds. These issues will be addressed by environmental monitoring of VOCs and fugitive dust during remedial operations (and with proper containment of materials if transported from the site). Potential spills of contaminated soil will be addressed during development of design and operating procedures, calling for clean-up of spills and containment of contact stormwater.

Removal can be implemented very quickly after agency approval of engineering plans and bidding to qualified remedial contractors. The remediation construction (excavation and biopile construction) period is estimated at from 2 to 4 months duration, and the treatment period requiring biopile maintenance is estimated at from 18 to 24 months.

Soil excavation and removal is completely effective in removing the contaminated soil as a source of ground water contamination in the short term as soon as soil removal operations are complete. (Any soil beyond the limits of excavation that may contain undetected or discounted contamination, or contaminated soil significantly below the water table, will not be completely removed however.)

Long-term Effectiveness & Permanence

Soil excavation and removal with biopile treatment is moderately effective in the long term since identified contaminated soils are treated to acceptable levels (below SGC thresholds) prior to being backfilled back into the site. If the biopile is situated on a separate site, long-term effectiveness is the same as that for soil excavation and removal.

Any soil beyond the limits of excavation that may contain undetected or discounted contamination, or contaminated soil significantly below the water table, will not be completely removed however. In addition, soil contamination on the site at concentrations below SCG thresholds and not included in removal operations will remain as a potential low-level source of contamination to ground water. After completion of remediation activities no further site management will be required.

Reduction of Toxicity, Mobility & Transport

Soil excavation and removal with biopile treatment provides reduction of toxicity, mobility, and transport by reducing the contaminant concentrations in source soils below SCGs. Any soil beyond the limits of excavation that may contain undetected or discounted contamination, or contaminated soil significantly below the water table, will not be completely removed however. In addition, soil contamination on the site at concentrations below SCG thresholds and not included in removal operations will remain as a potential low-level source of contamination to ground water.

Implementability (Feasibility / Institutional Considerations)

Soil excavation and removal with biopile treatment is completely feasible and can proceed rapidly without further study or pilot programs. Common excavation and transport equipment can be utilized, and the required procedures have been well established by qualified remedial contractors. The excavation operations can easily be expanded to accommodate removal of additional, currently unidentified, soil exhibiting contamination in exceedance of SCGs.

Additional time for biopile design and periodic monitoring of the biopile soils is required until attainment of contaminant concentrations below SCGs. Sale or productive use of the property may not be able to proceed until completion of the biopile treatment and acceptance of remediation completion, a period of perhaps up to 18 to 24 months or more. However, if the biopile is situated on a separate site there should be no restriction on sale or use immediately after excavation and acceptance of proof testing. No institutional barriers have been identified.

8.3 Soil Vapor Extraction (SVE)

Compliance with SCGs

Soil vapor extraction will provide compliance with applicable SCGs (TAGM 4046) with regard to those soils addressed as long as the target contaminated soils are located above the water table and as long as treatment is taken to an acceptable conclusion. Since direct observation of all contaminated soils is not possible, a potential exists for undiscovered contamination above SCG concentrations to remain after the completion of the treatment program.

Protection of Human Health & Environment

Soil vapor extraction will provide protection of human health and environment to that required by SCGs. Soil contamination at contaminant concentrations below the applicable SCG thresholds will remain, however this contamination is in the subsurface and presents no risk of public exposure or additional environmental degradation except as a continued source of low level contamination of ground water. In addition, due to residual adsorption of organic constituents on the soil the resultant incomplete removal of contaminants creates a potential for human exposure to low level contamination during soil excavation or grading activities during future development or use of the property, as well as a potential for entry of organic vapor into constructed structures.

Short-term Effectiveness

Installation of an SVE system is accomplished utilizing common excavating and drilling equipment and procedures, operating under the provisions of a developed site Health and Safety Plan. Contaminant exposure to workers will possibly include air-borne dust, vapor phase organic compounds, and potential dermal contact with contaminated soil or water. The risks to the public beyond the limits of the site are likewise potential exposure to air-borne dust or vapor phase organic compounds. These issues will be addressed by environmental monitoring of VOCs and fugitive dust during remedial operations. During system operation there is continued potential public exposure to discharge of vapor phase organic compounds, however these can be reduced to acceptable levels with proper system design and monitoring.

SVE must be demonstrated through a site-specific pilot program and full installation cannot proceed until such design information is attained. A pilot program may require from 3 to 6 months after agency approval and contractor bidding. Periodic monitoring of SVE discharge must continue until attainment of contaminant concentrations below SCGs is demonstrated through contaminant removal computation and additional soil sampling and testing. The SVE treatment period may be expected to require from 24 to 36 months or more.

Long-term Effectiveness & Permanence

Soil vapor extraction is moderately effective in the long term since identified contaminated soils are treated until acceptable levels (below SGC thresholds) are achieved. However, while SVE can be effective in removal of VOCs it is less effective in the removal of Semi-VOCs, and significant residual Semi-VOCs should be anticipated after acceptable treatment for VOC contamination. Since direct observation of all contaminated soils is not possible, a potential exists for undiscovered contamination above SCG concentrations to remain after the completion of the treatment program. Significantly contaminated soils below the water table are not effectively treated, and if target contaminated soils lie below the ground water table then the water table must be artificially lowered below the target soils to effect treatment of those soils.

Any contaminated soil beyond the limits of the SVE installation that may contain undetected or discounted contamination will not be treated and will remain as a potential low-level source of contamination to ground water. After completion of remediation activities no further site management will be required.

Reduction of Toxicity, Mobility & Transport

Soil vapor extraction provides reduction of toxicity, mobility, and transport by reducing the contaminant concentrations in source soils below SCGs. Treatment for VOCs will be more effective than treatment for Semi-VOCs. Mobility of contaminants is reduced, but not eliminated, since some residual contamination will remain to continue to contribute contaminants, at least at low levels, to ground water. Any contaminated soil beyond the limits of the SVE installation that may contain undetected or discounted contamination will not be treated and will remain as a low-level source of contamination to ground water. Since direct observation of all contaminated soils is not possible, a potential exists for undiscovered contamination above SCG concentrations to remain after the completion of the treatment program. Significantly contaminated soils below the water table are not effectively treated.

Implementability (Feasibility / Institutional Considerations)

Soil vapor extraction is feasible but must be demonstrated through a site-specific pilot program. Completed investigations have indicated that the fill soils and granular soils in the targeted contaminated areas on the site are suitable for installation of an SVE system. Installation of an SVE system is accomplished utilizing common excavating and drilling equipment and procedures, but cannot proceed until complete design information is attained. The capacity of an installed SVE system may be expanded after initial operating experience is gained, however any expansion of the initially installed vapor extraction area will require additional equipment capacity as well. Therefore initial equipment must either be replaced, supplemented with additional equipment, or the initial system must be installed with excess capacity. Periodic monitoring of the installed SVE system discharge must continue until attainment of contaminant concentrations below SCGs are demonstrated through additional soil sampling and testing. Sale or productive use of the property will probably not be able to proceed until completion of the SVE treatment and acceptance of remediation completion, a measure of perhaps up to 24 to 36 months or more.

Ground Water Remediation Alternatives

8.4 Ground Water Pump & Treat

Compliance with SCGs

Ground water pump and treat will provide compliance with applicable SCGs (NYSDEC TOGS 1.1.1 and NYSDOH Sanitary Code Subpart 5-1) at completion of the treatment period (attainment of SCG criteria). However, existing soil contamination even at levels meeting the requirements of SCGs for soil contamination may provide a potential source for continued ground water contamination after initial achievement of ground water SCGs by treatment.

Protection of Human Health & Environment

Ground water pump and treat will provide protection of human health and environment to that required by applicable SCGs. However, existing soil contamination even at levels meeting the requirements of SCGs for soil contamination may provide a potential source for continued ground water contamination after initial achievement of ground water SCGs by treatment. None the less, existing site conditions and characteristics will provide protection of human health and environment as these limit exposure pathways. No human or wildlife receptors of ground water have been identified down gradient from the site.

Short-term Effectiveness

Installation of a ground water pump and treat system is accomplished utilizing common drilling equipment and procedures, operating under the provisions of a developed site Health and Safety Plan. Contaminant exposure to workers will possibly include air-borne dust, vapor phase organic compounds, and potential dermal contact with contaminated soil or water. The risks to the public beyond the limits of the site are likewise potential exposure to air-borne dust or vapor phase organic compounds. These issues will be addressed by environmental monitoring of VOCs and fugitive dust during system installation. During system operation there is continued potential public exposure to discharge of vapor phase organic compounds, however these can be reduced to acceptable levels with proper system design and monitoring.

A pump and treat system must be demonstrated through a site-specific pilot program and full installation cannot proceed until such design information is attained. A pilot program may require from 3 to 6 months after agency approval and contractor bidding. Periodic monitoring of system discharge and installed monitoring wells must continue until attainment of contaminant concentrations below SCGs is demonstrated. The period of pump and treat operation may be expected to require from 24 to 36 months or more.

Long-term Effectiveness & Permanence

Pump and treat is effective in the treatment of ground water to the point at which ground water SCGs are initially achieved, however even low concentrations of soil contamination (below contaminated soil SCG requirements) may continue to provide contaminants to ground water after attainment of SCGs. If such additional contamination from contaminated soils creates ground water conditions that again exceed ground water SCGs, additional treatment will be necessary, extending the required period of treatment. To verify stabilized attainment of ground water SCGs a period of post-treatment ground water monitoring will be required.

Reduction of Toxicity, Mobility & Transport

Pump and treat provides reduction of toxicity, mobility, and transport by reducing the contaminant concentrations in ground water. Mobility of contaminants is reduced, but not eliminated, since some residual contamination will remain to continue to contribute contaminants, at least at low levels, to ground water. Any contaminated soil beyond the limits of the system installation that may contain undetected or discounted contamination will not be treated and will remain as a potential low-level source of contamination to ground water. During the operation of the pump and treat system, contaminated ground water is actively drawn to the system, but upon completion of the treatment period any residual contamination or re-introduced contamination will continue to flow through the site.

Implementability (Feasibility / Institutional Considerations)

Site investigations have shown that pump and treat is feasible within the fill and granular soils on site, but suitability must be demonstrated through a site-specific pilot program and installation cannot proceed until such design information is attained. Periodic monitoring of existing and perhaps additional monitoring wells must be performed to monitor treatment progress until attainment of contaminant concentrations below SCGs are demonstrated. Sale or productive use of the property may not be able to proceed until completion of the pump and treat program and acceptance of remediation completion, a measure of perhaps up to 24 to 36 months or more.

8.5 Soil Vapor Extraction (SVE) with Sparging

Compliance with SCGs

Soil Vapor Extraction (SVE) with Sparging will provide compliance with applicable SCGs (NYSDEC TOGS 1.1.1 and NYSDOH Sanitary Code Subpart 5-1) at completion of the treatment period (attainment of SCG criteria). However, existing soil contamination not effectively or completely treated by the SVE system may provide a source for continued ground water contamination after initial achievement of SCGs.

Protection of Human Health & Environment

Soil Vapor Extraction (SVE) with Sparging will provide protection of human health and environment to that required by SCGs. However, existing soil contamination even at levels meeting the requirements of SCGs for soil contamination may provide a source for continued ground water contamination after initial achievement of ground water SCGs by treatment. None the less, existing site conditions and characteristics will provide protection of human health and environment as these limit exposure pathways. No human or wildlife receptors of ground water have been identified down gradient from the site.

Short-term Effectiveness

Installation of an SVE system with sparging is accomplished utilizing common excavating and drilling equipment and procedures, operating under the provisions of a developed site Health and Safety Plan. Contaminant exposure to workers will possibly include air-borne dust, vapor phase organic compounds, and potential dermal contact with contaminated soil or water. The risks to the public beyond the limits of the site are likewise potential exposure to air-borne dust or vapor phase organic compounds. These issues will be addressed by environmental monitoring of VOCs and fugitive dust during remedial operations. During system operation there is continued potential public exposure to discharge of vapor phase organic compounds, however these can be reduced to acceptable levels with proper system design and monitoring.

SVE must be demonstrated through a site-specific pilot program and full installation cannot proceed until such design information is attained. A pilot program may require from 3 to 6 months after agency approval and contractor bidding. Periodic monitoring of SVE discharge must continue until attainment of contaminant concentrations below SCGs is demonstrated through contaminant removal computation and additional soil sampling and testing. The SVE treatment period may be expected to require from 24 to 36 months or more.

Long-term Effectiveness & Permanence

Soil Vapor Extraction (SVE) with sparging is effective in the treatment of ground water to the point at which ground water SCGs are initially achieved, however even low concentrations of soil contamination (below contaminated soil SCG requirements) may continue to provide contaminants to ground water after attainment of SCGs. If such additional contamination from contaminated soils creates ground water conditions that again exceed ground water SCGs, additional treatment will be necessary, extending the required period of treatment. To verify stabilized attainment of ground water SCGs a period of post-treatment ground water monitoring will be required.

Reduction of Toxicity, Mobility & Transport

Soil Vapor Extraction (SVE) with Sparging provides reduction of toxicity by reducing the contaminant concentrations in ground water. Mobility of contaminants is reduced, but not eliminated, since some residual contamination will remain to continue to contribute contaminants, at least at low levels, to ground water. Any contaminated soil beyond the limits of the system installation that may contain undetected or discounted contamination will not be treated and will remain as a potential low-level source of contamination to ground water. During the operation of the SVE system, ground water contaminants are stripped and actively drawn to the system, but upon completion of the treatment period any residual contamination or re-introduced contamination will continue to flow through the site.

Implementability (Feasibility / Institutional Considerations)

Site investigations have shown that installation of an SVE with sparging system is feasible within the fill and granular soils on site, but suitability must be demonstrated through a site-specific pilot program. Full installation cannot proceed until completion of the pilot program and system design. Periodic monitoring of existing and perhaps additional monitoring wells or taking of geoprobe ground water samples must be performed to monitor treatment progress until attainment of contaminant concentrations below SCGs is demonstrated. Sale or productive use of the property may not be able to proceed until completion of the pump and treat program and acceptance of remediation completion, a measure of perhaps up to 18 to 30 months or more.

8.6 Accelerated Natural Attenuation (w/ ORC).

Compliance with SCGs

Accelerated Natural Attenuation (w/ ORC) will provide compliance with applicable SCGs (NYSDEC TOGS 1.1.1 and NYSDOH Sanitary Code Subpart 5-1) at completion of the treatment period (attainment of SCG criteria). However, existing soil contamination not effectively or completely treated by the ORC application(s), particularly contamination in the vadose zone, may provide a source for continued ground water contamination after initial achievement of ground water SCGs by ORC application.

Protection of Human Health & Environment

Accelerated Natural Attenuation (w/ ORC) will provide protection of human health and environment to that required by SCGs. However, existing soil contamination even at levels meeting the requirements of SCGs for soil contamination may provide a source for continued ground water contamination after initial achievement of ground water SCGs by treatment.

None the less, existing site conditions and characteristics will provide protection of human health and environment as these limit exposure pathways. No human or wildlife receptors of ground water have been identified down gradient from the site.

Short-term Effectiveness

Contaminated ground water treatment with ORC is accomplished utilizing common drilling equipment and procedures, operating under the provisions of a developed site Health and Safety Plan. Contaminant exposure to workers will possibly include air-borne dust, vapor phase organic compounds, and potential dermal contact with contaminated soil or water. The risks to the public beyond the limits of the site are likewise potential exposure to air-borne dust or, possibly, vapor phase organic compounds. These issues will be addressed by environmental monitoring of VOCs and fugitive dust during ORC application operations.

Periodic monitoring of ground water conditions must continue until attainment of contaminant concentrations below SCGs is demonstrated. The ORC treatment period may be expected to require from 9 to 18 months, or more if ground water monitoring indicates that a second or third application is necessary.

Long-term Effectiveness & Permanence

Accelerated Natural Attenuation (w/ ORC) is effective in the treatment of ground water to the point at which ground water SCGs are initially achieved, however even low concentrations of soil contamination (below contaminated soil SCG requirements) may continue to provide contaminants to ground water after attainment of SCGs. Some ORC-driven attenuation of contamination continues after SCG attainment as well, however, offsetting the additional introduction of contaminants to some extent. If additional contamination from contaminated soils creates ground water conditions that again exceed ground water SCGs additional treatment will be necessary, extending the required period of treatment. To verify stabilized attainment of ground water SCGs a period of post-treatment ground water monitoring will be required.

Reduction of Toxicity, Mobility & Transport

Accelerated Natural Attenuation (w/ ORC) provides reduction of toxicity, mobility, and transport by reducing the contaminant concentrations in ground water. Completion of the treatment program upon attainment of SCG criteria will likely leave some very low level of contamination in place. However, much of this may be further reduced after acceptance of the remediation through continued un-monitored in-situ treatment. Any contaminated soil beyond the limits of the ORC application that may contain undetected or discounted contamination will not be treated and will remain as a potential low-level source of contamination to ground water. Upon completion of the treatment period any residual contamination or re-introduced contamination will continue to flow through the site, however contaminant attenuation may continue in the areas of ORC application.

Implementability (Feasibility / Institutional Considerations)

Site investigations have shown that accelerated natural attenuation (w/ ORC) is feasible within the fill and granular soils on site. Periodic monitoring of existing and perhaps additional monitoring wells or taking of geoprobe ground water samples must be performed to monitor treatment progress until attainment of contaminant concentrations below SCGs are demonstrated. Sale or productive use of the property may not be able to proceed until completion of the treatment program and acceptance of remediation completion, a measure of perhaps up to 12 to 24 months.

8.7 No Action – Waiver of Ground Water SCGs

Compliance with SCGs

No Action will not comply with limited, specific SCG criteria (NYSDEC TOGS 1.1.1 and NYSDOH Sanitary Code Subpart 5-1), including specifically the maximum allowable individual VOC concentration of 5 ppb and TOC concentration of 100 ppb in ground water.

Protection of Human Health & Environment

No Action will provide protection of human health and environment as provided by existing site conditions and characteristics, as these limit exposure pathways. No additional protection by reducing contaminant levels is provided. Long term ground water monitoring will provide information to assess steady-state contamination conditions or possible active natural attenuation of contamination.

Short-term Effectiveness

No Action does not present an effective remediation. Long term ground water monitoring, if required, will be performed by qualified environmental professionals in accordance with a developed Site Health and Safety Plan.

Long-term Effectiveness & Permanence

No Action does not present an effective remediation, except as provided by non-enhanced natural contaminant concentration attenuation.

Reduction of Toxicity, Mobility & Transport

No Action does not present an effective remediation, except as provided by non-enhanced natural contaminant concentration attenuation.

Implementability (Feasibility / Institutional Considerations)

"No Action" is feasible to implement given the protection to human health and environment provided by site characteristics. No institutional barriers have been identified, and a benefit of making the property available for productive use immediately upon acceptance of contaminated soil remediation activities is presented. NYSDEC and NYSDOH must allow a waiver to the requirements of applicable ground water SCGs (NYSDEC TOGS 1.1.1 and NYSDOH Sanitary Code Subpart 5-1). Potential future owners or occupants on the property must be informed of site conditions and be willing to accept use of the site with such waivers and any related conditions.

8.8 Deed Restrictions on Future Use

Compliance with SCGs

Deed restrictions will not comply with any of the SCG criteria referenced for the considered soil contamination or ground water contamination remedial alternatives.

Protection of Human Health & Environment

Deed restrictions will provide protection of human health and environment as provided by existing site conditions and characteristics, as these limit exposure pathways. In addition, restrictions on future property conditions and use will act to further limit the potential exposure of the public or wildlife to contamination.

Short-term Effectiveness

Deed restrictions do not provide an effective remediation.

Long-term Effectiveness & Permanence

Deed restrictions do not povide an effective remediation, except as provided by non-enhanced natural contaminant concentration attenuation.

Reduction of Toxicity, Mobility & Transport

Deed restrictions do not provide an effective remediation, except as provided by non-enhanced natural contaminant concentration attenuation.

Implementability (Feasibility / Institutional Considerations)

Deed restrictions are feasible to implement. Potential future owners or occupants on the property must be informed of site conditions and be willing to accept use of the site with such waivers and any related conditions.

8.9 Alternative Comparison & Analysis and Costs

The remedial alternatives have been considered and analyzed subjectively and compared utilizing a point scoring system as presented below. A scoring for cost is also presented on a relative scale, however a point score for cost is not included in the Summary Score.

Alternative Comparative Scoring

	Health & Envir.	SCGs	Short. Effect.	Long. Effect.	Reduct. T-M-T	Feasibil. & Institut.	Sum. Score	Cost
Soil								
1. Excav.	1	1	2	1	2	1	8	3
2. Biopile	2	1	3	2	2	2	12	2
3. SVE	2	2	2	3	3	3	15	3
Water								
4. Pump	1	1	1	2	2	3	10	3
5. SVE/Sparge	1	1	2	3	3	4	14	3
6. ORC	1	1	1	2	2	2	9	1
7. No Action	2	5	5	5	5	1	23	1
General								
8. Deed Restr.	2	5	1	5	5	1	19	1

Scoring Key:

Scoring for each of the indicated criteria is on a scale of 1 through 5, with 1 indicating the most desirable outcome and 5 indicating the least desirable outcome. Each individual score is based upon consideration of each of the remedial alternative descriptions applied to Lot No. 6 specific site characteristics and conditions. A lower score provides a greater degree of environmental protection and compliance. (A score for Cost is provided on a subjective scale of 1 to 3, low to high, for total remedial project costs.)

Cost Estimates

Cost estimates for each of the remedial alternatives have been prepared and are presented below. These should be considered for comparative purposes only and not necessarily complete or final projections of actual remedial costs. In each case of soil remediation requiring excavation the entire identified impacted area is assumed to require remediation. Since field screening at the time of remediation may reduce the actual areas, and therefore the total volumes of soil to be remediated, actual costs for these alternatives may be lower than those estimates shown below.

Cost estimates have been prepared on the basis of recent experience requiring soil excavation and disposal, typical well and earthwork construction rates, and in some instances references to "Ground Water and Soil Remediation, Process Design and Cost Estimating of Proven Technologies," by Marve Hyman and R. Ryan Dupont, ASCE Press, 2001. The value of money relating to annual or future expenditures has not been considered, all costs are shown at present worth valuation.

A summary of costs is presented in Table 22 "Remedial Alternatives Cost Analysis Summary," following the detailed cost estimates presented below:

Cost Estimate Detail:

8.1 Soil Excavation & Removal

Capital & O&M Costs	Destruction	Disposal
Engineering Work Plans & Design	$ 4,500	$ 4,500
Excavation & Transport	$ 69,000	$ 51,000
Destruction/Disposal	$104,000	$ 67,000
Backfill	$ 44,000	$ 44,000
Sampling & Lab Testing	$ 6,000	$ 7,000
Engineer Oversight & Cert.	$ 15,500	$ 16,500
Estimate:	$ 243,000	$ 190,000

8.2 Soil Excavation with Biopile Treatment (On/Off Site)

Capital & 1st Year Costs	On-Site	Off-Site
Engineering Work Plans & Design	$ 6,500	$ 7,500
Biopile Prep & Construction	$ 70,000	$ 77,500
Maintenance/Energy	$ 5,500	$ 6,000
Backfill	$ 11,000	$ 44,000
Sampling & Lab Testing	$ 6,000	$ 8,000
Engineer Oversight & Cert.	$ 13,000	$ 15,000
Estimate:	$ 112,000	$ 158,000

2nd Year O&M Costs	On-Site	Off-Site
O&M Costs (1-yr.)	$ 13,000	$ 13,000
Monitoring, Engineer Oversight & Cert.	$ 10,000	$ 10,000
Estimate:	$ 23,000	$ 23,000

8.3 Soil Vapor Extraction

Capital & O&M Costs	*1st Year*	*Year 2&3, Closure*
Engineering Work Plans & Design	$ 11,000	-
Pilot Program	$ 23,000	-
SVE Installation/Lease	$ 42,000	$ 84,000
Energy	$ 4,000	$ 8,000
Sampling & Lab Testing	$ 14,500	$ 12,500
Engineer Oversight & Cert.	$ 20,500	$ 19,500
Estimate:	$ 115,000	$ 124,000

8.4 Ground Water Pump & Treat

Capital & O&M Costs	*1st Year*	*Year 2&3, Closure*
Engineering Work Plans & Design	$ 17,000	
Pilot Program	$ 8,000	-
Well/Pump Install	$ 8,000	-
Treatment System Lease/Carbon	$ 23,000	$ 46,000
Energy	$ 2,500	$ 5,000
Sampling & Lab Testing (quarterly)	$ 14,500	$ 36,000
Engineer Oversight & Cert.	$ 21,000	$ 38,000
Estimate:	$ 94,000	$ 125,000

8.5 Vapor Extraction w/ Sparging

Capital & O&M Costs	*1st Year*	*Year 2&3, Closure*
Engineering Work Plans & Design	$ 15,000	-
Pilot Program	$ 20,000	-
Install/Lease SVE-Sparge System	$ 25,000	$ 45,000
Energy	$ 3,000	$ 6,000
Sampling & Lab Testing (quarterly)	$ 14,500	$ 35,000
Engineer Oversight & Cert.	$ 18,500	$ 38,000
Estimate:	$ 96,000	$ 124,000

8.6 Accelerated Natural Attenuation (Water w/ ORC)

Capital & O&M Costs	*1st Year*	*Year 2, Closure*
Engineering Work Plans & Design	$ 5,000	-
ORC Injection	$ 18,000	-
ORC Materials	$ 36,500	-
Sampling & Lab Testing (quarterly)	$ 16,500	$ 26,500
Engineer Oversight & Cert.	$ 10,000	$ 5,000
Estimate:	$ 86,000	$ 31,500

8.7 No Action – Waiver of SCGs

Long Term Monitoring (5 yr.)

Quarterly Sampling & Lab Testing (5 x $10,500)	$ 52,500
Engineer Oversight & Cert. (5 x $3,000)	$ 15,000
Estimate:	$ 67,500

Table 22
Remedial Alternatives Cost Analysis Summary

Remedial Alternative	Capital & 1st Yr. Cost	O&M, Post Remed. Cost	Remedial Cost (Present Worth)
8.1a Soil Excavation & Removal - Destruction	$ 243,000	None	$ 243,000
8.1b Soil Excavation & Removal - Disposal	$ 190,000	None	$ 190,000
8.2a Soil Excavation w/ Biopile, On-site (2-yr.)	$ 112,000	$ 23,000	$ 135,000
8.2b Soil Excavation w/ Biopile, Off-site (2 yr.)	$ 158,000	$ 23,000	$ 181,000
8.3 Soil Vapor Extraction (3 yr.)	$ 115,000	$ 124,000	$ 239,000
8.4 Ground Water Pump & Treat (3 yr.)	$ 94,000	$ 125,000	$ 219,000
8.5 Ground Water Sparging & Vapor Extraction (3.yr.)	$ 96,000	$ 124,000	$ 220,000
8.6 Accelerated Natural Attenuation (GW/ORC) (18 mo.)	$ 86,000	$ 31,500	$ 117,500
8.7 No Action w/ G.W. Monitoring (5 yr.) Waiver of SCGs	None	$ 67,500	$ 67,500
8.8 Deed Restrictions on Future Use	None	None	None

Conclusion & Recommendation

Based upon the comparative scoring, and with heavy consideration of the intent of the remediation action to make the Lot No. 6 property available for sale and development so that it may be placed into productive use, it is recommended that site remediation proceed by specifying and implementing a plan of "Soil Excavation & Removal" of contaminated soil. The disposition of the removed soils should be based upon cost considerations for each of the "contaminant destruction," "disposal at landfill," and "biopile treatment/off-site" alternatives. (The biopile treatment alternative is recommended only if a suitable site removed from Lot No. 6 can be identified and prepared for the biopile system, and site excavations are backfilled with imported clean fill soil or appropriate and suitable site re-grading). Therefore, Soil Excavation and Removal with disposal at landfill is the recommended alternative.

It is further recommended, also strongly considering the benefit of early productive use of the Lot No. 6 property and the site characteristics that provide protection of human health and environment, that the "No Action" alternative of ground water remediation be implemented with a waiver of the applicable SCGs.

It is anticipated that Deed Restrictions relating to future use of the property as well as construction details and excavation procedures will be required to be placed on the property.

* * *

APPENDIX 1

SOIL BORING LOGS

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 2 **Boring No.: HC–1**

Project Name/Location: Riverside Tech Park Lot 6 — Location: Refer to Site Plan

Client: City of Schenectady IDA — Elevation: 232.4 ft.

Start Date: 7/24/00

Finish Date: 7/24/00

Contractor: ADT

Logged By: S. LeFevre

Ground Water Data

Date: 7/24/00 Depth: 12.85' Casing: 34.0' Boring: 35.8'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	232.4	S–1	14/17/21/15	5.5	FILL – gravel in a silty sand matrix, brown, compact, dry, recovery 1.0'
	229.4	S–2	11/13/7/5	2.3	FILL – same, to 3.0 ft., change at 3.0 ft.
					SAND – f-c, brown, loose, dry, recov 0.5'
5		S–3	6/4/56/40	4.7	SAND w/ large gravel, pushing cobble, minimal recovery
	225.4	S–4	19/3/3/3	2.4	SAND w/ large gravel, pushing cobble, saturated, Change at 7.0 to CLAY – silty, gray, mottled, soft, saturated
		S–5	WR/2/4/6	2.7	CLAY – silty, gray, mottled, soft saturated, sewer odor
10		S–6	1/2/3/5	2.3	CLAY – same as S-5, no sewer odor
		S–7	4/5/9/12	2.0	CLAY – same as S-6, some sand, change in color to TAN
15		S–8	2/1/2/3	2.2	CLAY – same as S-7, greater sand content
	215.7	S–9	1/1/WH/1	2.1	CLAY – same as S-8
		S–10	WR/WH/1/1	2.0	CLAY –. very soft, saturated, plastic, change in color to GRAY
20		S–11	WR/WR/2/1	2.0	CLAY – same as S-10
		S–12	WR/WR/WR/WR	2.1	CLAY – same as S-10
25		S–13	WR/WR/1/2	2.0	CLAY – silty w/ sand varves, change in color to TAN
	206.4	S–14	9/11/21/23	2.1	SAND – fine, w/ shale fragments, loose, saturated
		S–15	29/33/23/28	2.2	SAND – same as S-15, shale pieces in spoon nose
	202.4				
30		S–16	47/54/33/33	6.0	GRAVEL – coarse, w/ shale pieces, few fines
		S–17	25/73/53/55	2.6	GRAVEL – coarse, mixed lithologies
35					

Well Screen Sand Pack Interval

Comments: Sampling w/ 1-5/8" split spoon, 140 # hammer

TEST BORING LOG

Project No.: 158.03

Boring No.: HC–1

Project Name/Location: Riverside Tech Park Lot 6

Sheet 2 of 2

Client: City of Schenectady IDA

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
35	196.6	S–18	62/55/43/100	2.2	GRAVEL – coarse, fresh shale fragments, Refusal at 35.8 ft.
					End of Boring at 35.8 ft. 2" Dia. PVC Monitoring Well Installed Screened Interval 4.0 to 14.0 ft., sump 14.0-16.0 ft. Upper Bentonite Seal 2.0 to 3.0 ft. Sand Pack 3.0 to 16.7 ft. Lower Bentonite Seal 16.7 to 35.8 ft.
40					
45					

Comments:

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1

Boring No.: HC–2s

Project Name/Location: Riverside Tech Park Lot 6

Client: City of Schenectady IDA

Location: Refer to Site Plan
Elevation: 231.4 ft.
Start Date: 7/31/00
Finish Date: 7/31/00
Contractor: ADT
Logged By: S. LeFevre

Ground Water Data

Date: 7/31/00 Depth: 14.1' Casing: 20.0' Boring: 22.0'
Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	231.4	S–1	8/15/19/7	13.8	FILL – gravel & cobbles in a silty sand matrix, dk brown, compact, damp, sample crumbles
	228.4	S–2	8/4/4/3	2.4	FILL – same, to 3.0 ft., change at 3.0 ft. SAND – f-c, tan to gray, loose, damp to moist
5		S–3	2/1/8/16	N/A	SAND – same as above, heavily stained, w/ petroleum odor
		S–4	7/13/26/4	656	SAND _ same as above, with odor, Change at 7.5 to CLAY – silty, gray, odor present
		S–5	3/3/3/3	206	SAND – silty, gray, loose/soft, saturated, stained, petroleum odor
10		S–6	5/4/6/7	336	SAND – same as S-5, w/ odor
		S–7	2/3/4/3	52.4	SAND – same as S-5, no odor noted
15		S–8	4/1/WR/2	46.9	SAND – same as S-5, greater silt content, color change to TAN
	215.9	S–9	1/1/3/2	15.8	SAND – sl. silty, tan, loose, saturated
	211.9	S–10	1/1/WH/1	9.2	SAND –. same as above; change to CLAY silty, saturated, very plastic, GRAY, at 19.5'
20	209.4	S–11	WH/2/15/56	9.6	CLAY – same as lower S-10, but color change to TAN
					End of Boring at 22.0 ft.
25					2" Dia. PVC Monitoring Well Installed Screened Interval 4.0 to 14.0 ft.
					Upper Bentonite Seal 2.0 to 3.0 ft. Sand Pack 3.0 to 15.5 ft. Lower Bentonite Seal 15.5 to 22.0 ft.
30					

Well Screen Sand Pack Interval

Comments: Sampling w/ 1-5/8" split spoon, 140 # hammer

HOLT CONSULTING

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: HC–2d**

Project Name/Location: Riverside Tech Park Lot 6

Client: City of Schenectady IDA

Location: Refer to Site Plan
Elevation: 231.6 ft.
Start Date: 7/31/00
Finish Date: 7/31/00
Contractor: ADT
Logged By: S. LeFevre

Ground Water Data

Date: _____ Depth: _____ Casing: _____ Boring: _____
Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	231.6				Advanced boring by power auger to 20.0 ft. w/ 6-5/8 in. I.D. Casing
					Inserted telescoped 4 in. I.D. Casing, began sampling at 22.0 ft.
15			4/1/WR/2	46.9	*SAND – same as S-5, greater silt content, color change to TAN
	215.1		1/1/3/2	15.8	*SAND – sl. silty, tan, loose, saturated
			1/1/WH/1	9.2	*SAND –. same as above; change to CLAY silty, saturated, v. plastic, GRAY, at 19.5', change to TAN at 21.0 ft.
20			WH/2/15/56	9.6	
		S–12	6/8/14/21	1.4	GRAVEL – coarse, silty, lt. Brown, saturated, some cobbles
25		S–13	14/14/18/16	1.4	GRAVEL – same as above, foreign lithologies
		S–14	21/19/23/32	1.4	GRAVEL – same as above
	202.6	S–15	13/18/14/49	1.4	GRAVEL – same as above, Change at 29.5 to GLACIAL TILL – Gray, very compact
30	202.1	S–16	23/50/0.4	1.4	GLACIAL TILL – Gray, very compact, Refusal on Shale at 30.9'
	200.7				
		Core No.	Recov. (ft.)		SHALE – dark gray to black, very fine bedding, slightly weathered, generally competent with 5" fracture zone @ 34.5.
35		R–1	3.8'		
	195.1				End of Boring at 36.5 ft.
					2" Dia. PVC Monitoring Well Installed Screened Interval 19.0 to 29.0 ft.
					Upper Bentonite Seal 13.5 to 16.5 ft. Sand Pack 16.5 to 29.0 ft. Lower Bentonite Seal 29.0 to 36.5 ft.

Well Screen Sand Pack Interval

Comments: Sampling w/ 1-5/8" split spoon, 300 # hammer, lost 100 gal. of water while coring from 34 - 36.5 ft.

*No sampling, geologic profile, blows, & PID shown from boring HC-2s (12 ft. to west).

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 2 **Boring No.: HC–3**

Project Name/Location: Riverside Tech Park Lot 6 Location: Refer to Site Plan

Client: City of Schenectady IDA Elevation: 230.1 ft.

Start Date: 7/28/00

Finish Date: 7/28/00

Contractor: ADT

Logged By: S. LeFevre

Ground Water Data

Date: 7/31/00 Depth: 10.4' Casing: 25.0' Boring: 34.0'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	230.1	S–1	2/3/5/5	0.0	FILL – f-c sand w/ gravel, gray-brown, loose, moist
		S–2	19/8/4/4	0.0	FILL – same, to 3.0 ft., change at 3.0 ft. SAND – silty, w/ clay, some gravel, gray-tan, mottled, plastic, v. moist
5		S–3	12/10/6/10	2.2	CLAY – silty, gray-tan, mottled, plastic
	223.1	S–4	5/7/12/14	0.4	CLAY – Same as above
		S–5	6/8/11/14	1.0	CLAY – Same as above, slight petroleum odor noted
10		S–6	5/8/8/10	0.0	CLAY – Same as above, slightly more tan, no odor
		S–7	2/1/2/1	0.0	CLAY – same as above, very plastic
15	214.6	S–8	2/1/1/1	1.1	CLAY – same as above, Change at 15.5' to SAND – silty, tan,slightly [plastic, no odor
	212.1	S–9	7/3/1	0.0	SAND – same as above, poor recovery
	210.3	S–10	14/14/16/16	0.3	GRAVEL –. coarse, foreign rock fragments, saturated
20	210.1	S–11	21/21/15/22	0.0	GLACIAL TILL – coarse gravel & cobbles, gray silty-clay matrix, saturated
		S–12	41/48/41/24	0.0	GLACIAL TILL – same as above, more compact
25	204.1	S–13	24/24/32/19	0.0	GLACIAL TILL – same as above
	201.9	S–14	19/16/65/50		GLACIAL TILL – same as above, v. compact w/ shale fragments in nose of spoon
		S–15	50/.05		No Recovery, Refusal at 28.2'
30					
35					

Well Screen
Sand Pack Interval

Comments: Sampling w/ 1-5/8" split spoon, 300 # hammer; flush casing after 16.0 ft.

TEST BORING LOG

Project No.: 158.03

Boring No.: HC–3

Project Name/Location: Riverside Tech Park Lot 6

Sheet 2 of 2

Client: City of Schenectady IDA

Depth (feet)	Elev. (feet)	Core No.	Recov. (ft.)		Description
25	201.9				GLACIAL TILL
30	196.1	R–1	4.8′		SHALE – dark gray to black, very fine bedding, fresh and un-weathered, highly fractured
35					End of Boring at 34.0 ft. 2″ Dia. PVC Monitoring Well Installed Screened Interval 9.0 to 19.0 ft. Upper Bentonite Seal 4.0 to 7.0 ft. Sand Pack 7.0 to 19.8 ft. Lower Bentonite Seal 19.8 to 34.0 ft.

Comments:

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: HC–4s**

Project Name/Location: Riverside Tech Park Lot 6 Location: Refer to Site Plan

Client: City of Schenectady IDA Elevation: 234.2 ft.

Start Date: 7/27/00

Finish Date: 7/27/00

Contractor: ADT

Logged By: S. LeFevre

Ground Water Data

Date: _____ Depth: _____ Casing: _____ Boring: _____

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	234.2		1/3/7/7	1.4	*FILL – silty sand w/ gravel & rock frags., dk brown, loose, damp
			15/12/16/13	0.2	*FILL – same as above except clean sand layer at 3.5 ft.
5			5/13/13/11	0.9	
	227.2		6/8/26/23	0.8	*FILL – silty sand w/ cobbles, plastic, gray-brown, mottled, moist
	226.2		3/2/4/4	151	*CLAY – Sandy, plastic, gray, saturated, slight petroleum odor noted
10	Well Screen Sand Pack Interval		3/3/5/6	169	*SAND – Silty, gray w/ black spots, saturated, slight petroleum odor
			1/3/5/5	103	*SAND – same as above, no odor
15			3/3/5/5	22.2	*SAND – same as above, no odor,change in color to tan
			2/2/2/2	10.7	*SAND – same as above, change in color to gray in nose of spoon
	216.7				**Bottom of HC-4 at 17.5 ft.**
	214.2		WR/WR/WR/WR	4.5	*SAND – same as above
20	212.2		21/26/23/52	3.9	*GRAVEL– coarse gravel & foreign rock frags, compact, saturated
			27/19/39/50+	8.0	*GLACIAL TILL – coarse gravel, sand, in silt-clay matrix, compact
25			27/15/10/12	8.3	*GLACIAL TILL – same as above,higher sand content
			27/50/0.2	1.9	*GLACIAL TILL – same as above, v. compact w/ shale fragments in nose of spoon. Refusal at 26.7'
	204.7				* shale bedrock at 29.5' (driller observation)
30					*SHALE ROCK
					2" Dia. PVC Monitoring Well Installed Screened Interval 7.0 to 17.0 ft. Upper Bentonite Seal 3.0 to 5.0 ft. Sand Pack 5.0 to 17.5 ft.
35					

Comments: *No sampling, geologic profile, blows, & PID shown from boring HC-4d (11 ft. to Southwest).

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 2

Boring No.: HC–4d

Project Name/Location: Riverside Tech Park Lot 6

Client: City of Schenectady IDA

Location: Refer to Site Plan
Elevation: 234.2 ft.
Start Date: 7/27/00
Finish Date: 7/27/00
Contractor: ADT
Logged By: S. LeFevre

Ground Water Data

Date: _____ Depth: _____ Casing: _____ Boring: _____
Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	234.2				
		S–1	1/3/7/7	1.4	FILL – silty sand w/ gravel & rock frags., dk brown, loose, damp
		S–2	15/12/16/13	0.2	FILL – same as above except clean sand layer at 3.5 ft.
5		S–3	5/13/13/11	0.9	No Recovery (pushed cobble in head of spoon)
		S–4	6/8/26/23	0.8	FILL – silty sand w/ cobbles, plastic, gray-brown, mottled, moist
	226.2				
		S–5	3/2/4/4	151	CLAY – Sandy, plastic, gray, saturated, slight petroleum odor noted
10		S–6	3/3/5/6	169	SAND – Silty, gray w/ black spots, saturated, slight petroleum odor
		S–7	1/3/5/5	103	SAND – same as above, no odor
15		S–8	3/3/5/5	22.2	SAND – same as above, no odor,change in color to tan
		S–9	2/2/2/2	10.7	SAND – same as above, change in color to gray in nose of spoon
	214.2	S–10	WR/WR/WR/WR	4.5	SAND – same as above
20		S–11	21/26/23/52	3.9	GRAVEL– coarse gravel & foreign rock frags, compact, saturated
	212.2				
		S–12	27/19/39/50+	8.0	GLACIAL TILL – coarse gravel, sand, in silt-clay matrix, compact
25		S–13	27/15/10/12	8.3	GLACIAL TILL – same as above,higher sand content
		S–14	27/50/0.2	1.9	GLACIAL TILL – same as above, v. compact w/ shale fragments in nose of spoon. Refusal at 26.7'
	204.7				Roller bit to 30.0', shale bedrock at 29.5' (driller observation)
30					SHALE ROCK
35					

Comments: Sampling w/ 1-5/8" split spoon, 140 # hammer; (300# hammer 22'-26.7')

TEST BORING LOG

Project No.: 158.03

Boring No.: HC–4d

Project Name/Location: Riverside Tech Park Lot 6

Sheet 2 of 2

Client: City of Schenectady IDA

Depth (feet)	Elev. (feet)	Core No.	Recov. (ft.)		Description
25	207.7				GLACIAL TILL
30	Well Screen Sand Pack Interval	R–1	4.9'		SHALE – dark gray to black, very fine bedding, fresh and un-weathered, competent without fracture.
	200.7				
35	199.2				End of Boring at 35.0 ft.
40					2" Dia. PVC Monitoring Well Installed Screened Interval 28.0 to 33.0 ft. Upper Bentonite Seal 18.0 to 26.5 ft. Sand Pack 26.5 to 33.5 ft. Lower Bentonite Seal 33.5 to 35.0 ft.

Comments: 55 gal. grout taken fromn 45-18 ft. Void in fill ?

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: HC–5**

Project Name/Location: Riverside Tech Park Lot 6 — Location: Refer to Site Plan

Client: City of Schenectady IDA — Elevation: 237.9 ft.

Start Date: 7/25/00

Finish Date: 7/25/00

Contractor: ADT

Logged By: S. LeFevre

Ground Water Data

Date: _____ Depth: _____ Casing: _____ Boring: _____

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	237.9				
		S–1	5/5/5/5	1.3	FILL – sandy clay w/ gravel & rock frags, mottled, brown, loose, moist
		S–2	4/3/3/7	8.2	FILL – same as above, very little recovery
5	233.9	S–3	7/7/13/14	1.3	FILL – same as above, higher sand content
	Pack Interval	S–4	14/8/8/7	0.4	FILL – same as above
		S–5	2/5/5/10	383	FILL – same as above, shange at 9.7' to SAND – gray, slight petroleum odor
10	228.2	S–6	6/12/7/7	1,287	SAND – Silty, gray w/ dark staining, strong petroleum odor
	Well Screen Sand	S–7	10/4/4/1	1,018	SAND – same as above, loose, poor recovery, petroleum odor
15		S–8	1/3/3/1	334	SAND – same as above, loose, poor recovery, petroleum odor
	221.9	S–9	15/9/23/16	554	GRAVEL – coarse w/ rock frags, loose, saturated
	219.2	S–10	100/0.5	253	GLACIAL TILL – dense, friable till in nose of spoon w/ shale frags
20	217.4	S–11	100/0.4	0.5	No Recovery Refusal to 20.5'
		Core No.	Recov. (ft.)		
25		R–1	4.7'		SHALE – dark gray to black, very fine bedding, fresh and un-weathered, competent without fracture.
	210.9				
30					End of Boring at 27.0 ft. 2" Dia. PVC Monitoring Well Installed Screened Interval 6.0 to 18.0 ft. Upper Bentonite Seal 2.0 to 4.0 ft. Sand Pack 4.0 to 18.7 ft. Lower Bentonite Seal 18.7 to 27.0 ft.
35					

Comments: Sampling w/ 1-5/8" split spoon, 140 # hammer

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1

Boring No.: HC–6

Project Name/Location: Riverside Tech Park Lot 6

Client: City of Schenectady IDA

Location: Refer to Site Plan
Elevation: 233.3 ft.
Start Date: 7/25/00
Finish Date: 7/25/00
Contractor: ADT
Logged By: S. LeFevre

Ground Water Data

Date: 7/25/00 Depth: 13.9' Casing: 16.0' Boring: 16.0'
Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Sample No.	Sampler Blows/6"	PID (ppm)	Description
0	233.3				
		S–1	2/9/12/11	7.9	FILL – silty sand w/ gravel & rock & brick frags, compact, dry,
		S–2	8/11/10/10	37.9	FILL – same as above
5	228.3	S–3	3/8/6/4	11.2	No Recovery
	227.3	S–4	7/5/3/3	1,360	SAND – silty, w/ gravel & cobbles, loose, dk gray, saturated
		S–5	4/2/1/2	573	SAND – same as above, very little recovery
10		S–6	2/8/10/2	1,717	SAND – same as above
		S–7	3/8/4/6	375	SAND – same as above
		S–8	5/11/61/100+	7.7	SAND – same as above,change at 15.0' to
15	218.3	S–9	100/0.15	17.8	GLACIAL TILL _ dk gray, dense, w/ shale frags, saturated
	217.1				No Recovery Refusal at 16.2'
					End of Boring at 16.2 ft.
20					2" Dia. PVC Monitoring Well Installed Screened Interval 5.0 to 15.0 ft., w/ sump 15.0-16.0 ft. Upper Bentonite Seal 1.0 to 3.5 ft. Sand Pack 3.5 to 16.0 ft.
25					
30					
35					

Well Screen Sand Pack Interval

Comments: Sampling w/ 1-5/8" split spoon, 140 # hammer

APPENDIX 2

IN-SITU HYDRAULIC CONDUCTIVITY TEST DATA

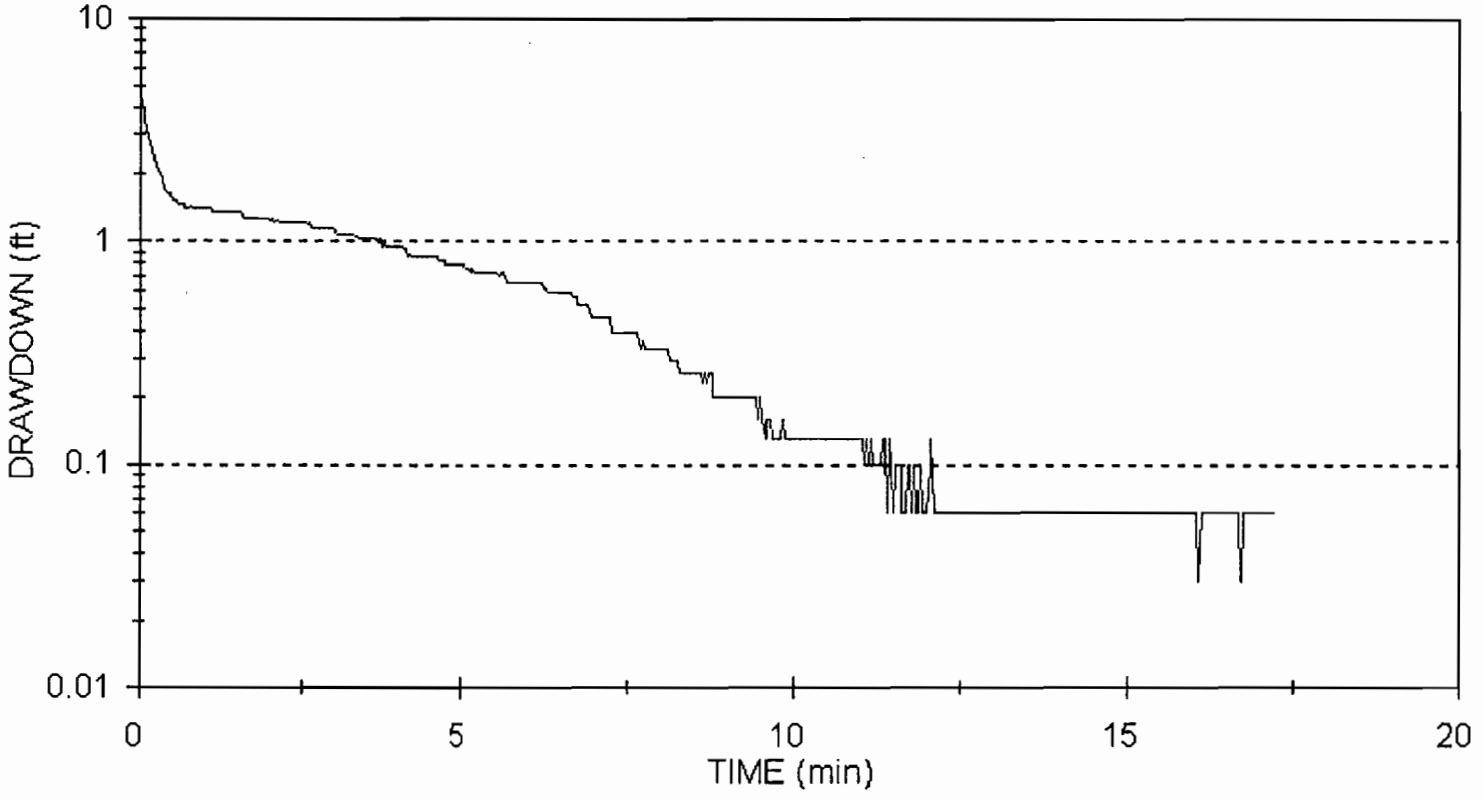
SLUG WITHDRAWAL TEST FOR HC-1
Lot 6, Riverside Technology Park

Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 12.43 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/H0
0	0.0000	12.43	0.00	0.00
2	0.0333	8.13	4.30	0.95
4	0.0667	8.86	3.57	0.79
6	0.1000	9.28	3.15	0.70
8	0.1333	9.48	2.95	0.65
10	0.1667	9.68	2.75	0.61
12	0.2000	9.87	2.56	0.57
14	0.2333	10.07	2.36	0.52
16	0.2667	10.30	2.13	0.47
18	0.3000	10.43	2.00	0.44
20	0.3333	10.56	1.87	0.41
22	0.3667	10.69	1.74	0.38
24	0.4000	10.76	1.67	0.37
26	0.4333	10.82	1.61	0.36
28	0.4667	10.82	1.61	0.36
30	0.5000	10.89	1.54	0.34
32	0.5333	10.89	1.54	0.34
34	0.5667	10.89	1.54	0.34
36	0.6000	10.96	1.47	0.33
38	0.6333	10.96	1.47	0.33
40	0.6667	10.96	1.47	0.33
42	0.7000	11.02	1.41	0.31
44	0.7333	11.02	1.41	0.31
46	0.7667	10.99	1.44	0.32
48	0.8000	11.02	1.41	0.31
50	0.8333	11.02	1.41	0.31
52	0.8667	11.02	1.41	0.31
54	0.9000	11.02	1.41	0.31
56	0.9333	11.02	1.41	0.31
58	0.9667	11.02	1.41	0.31
60	1.0000	11.02	1.41	0.31
62	1.0333	11.02	1.41	0.31
64	1.0667	11.02	1.41	0.31
66	1.1000	11.05	1.38	0.31
68	1.1333	11.09	1.34	0.30
70	1.1667	11.09	1.34	0.30
72	1.2000	11.09	1.34	0.30
74	1.2333	11.09	1.34	0.30
76	1.2667	11.09	1.34	0.30
78	1.3000	11.09	1.34	0.30
80	1.3333	11.09	1.34	0.30
82	1.3667	11.09	1.34	0.30

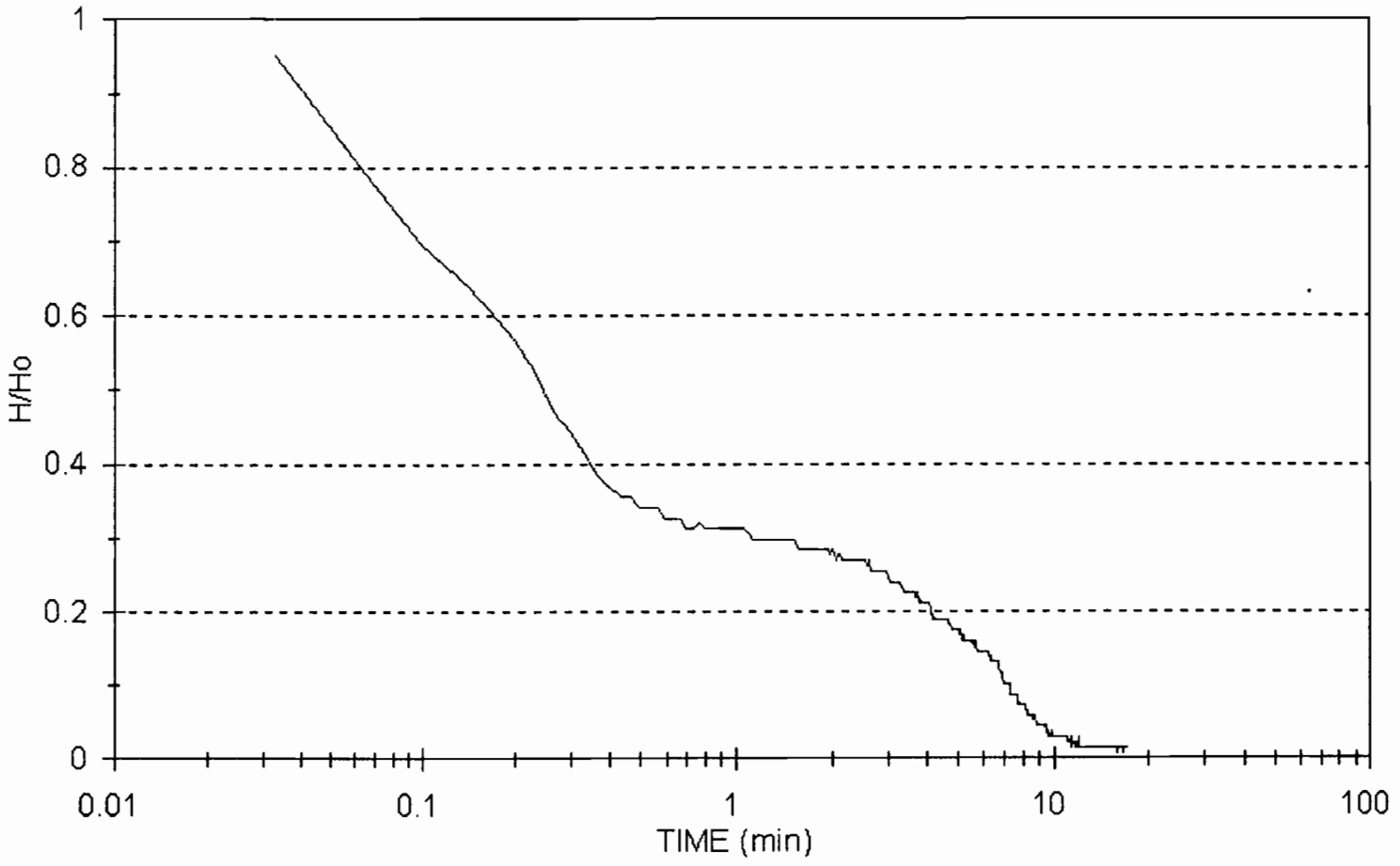
SLUG WITHDRAWAL TEST FOR HC-1

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-1

Lot 6, Riverside Technology Park



Riverside - Hc-2:

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln\left(\frac{L}{R}\right) \ln\left(\frac{H_1}{H_2}\right)$$

$R = 0.08$ feet
$L = 12.5$ feet
$H_1 = 4.16$ feet
$t_1 = 0.1$ min
$H_2 = 1.21$ feet
$t_2 = 1.0$ min

$$K = \frac{(0.08)^2}{2(12.5)(1.0 - 0.1)} \ln\left(\frac{12.5}{0.08}\right) \ln\left(\frac{4.16}{1.21}\right)$$

$$= \frac{0.0064}{22.5} (5.05)(1.23)$$

$$= 1.77 \times 10^{-3} \text{ feet/min}$$

2.55 feet per day

$$\boxed{K = 8.98 \times 10^{-4} \text{ cm/sec}}$$

~~180 feet per day~~

Conversion = 0.5080

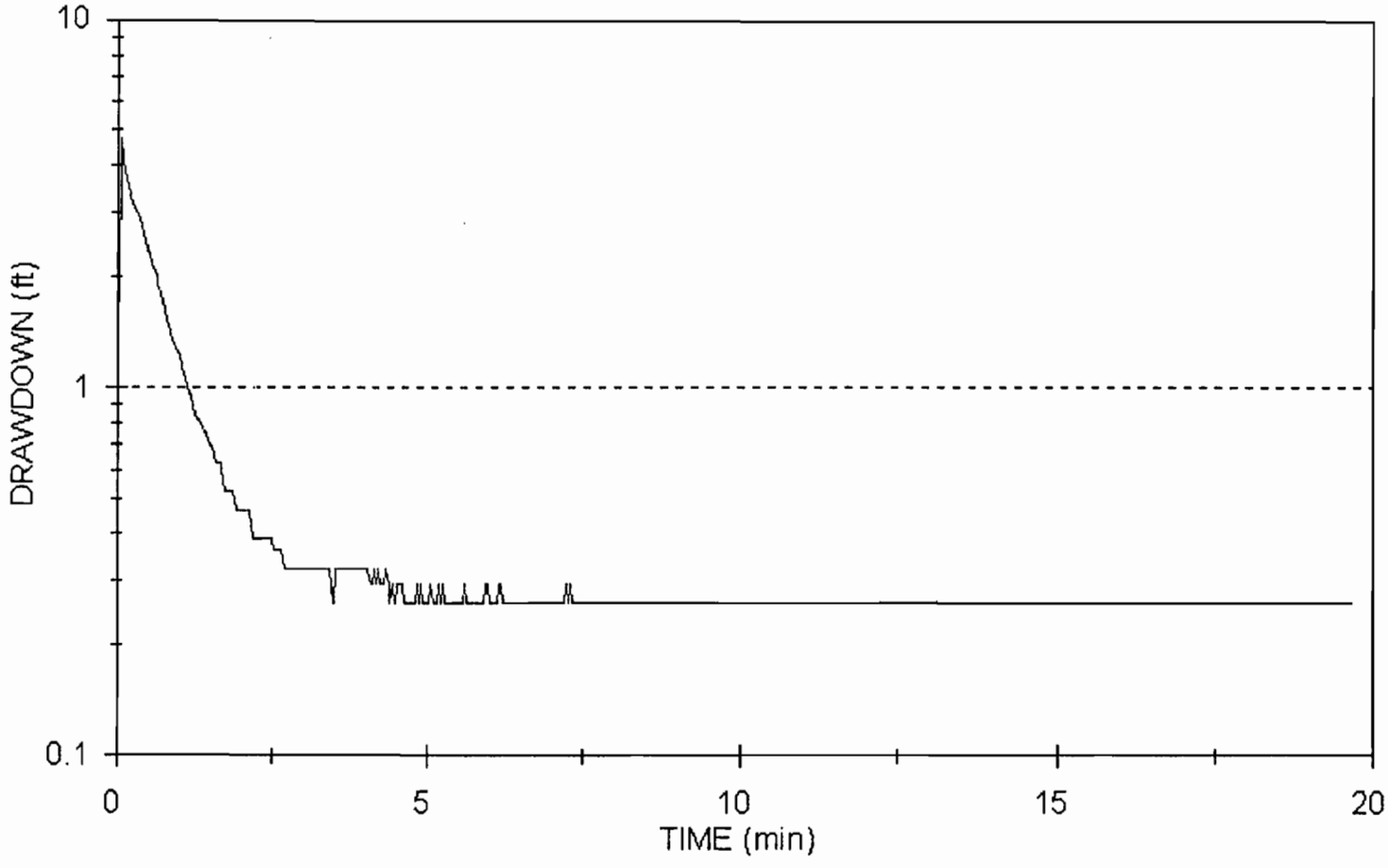
SLUG WITHDRAWAL TEST FOR HC-2
Lot 6, Riverside Technology Park

Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 12.1 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0	0.0000	12.10	0.00	0.00
2	0.0333	10.40	1.70	0.38
4	0.0667	7.38	4.72	1.04
6	0.1000	7.94	4.16	0.92
8	0.1333	8.27	3.83	0.85
10	0.1667	8.43	3.67	0.81
12	0.2000	8.59	3.51	0.78
14	0.2333	8.79	3.31	0.73
16	0.2667	8.92	3.18	0.70
18	0.3000	9.02	3.08	0.68
20	0.3333	9.15	2.95	0.65
22	0.3667	9.28	2.82	0.62
24	0.4000	9.35	2.75	0.61
26	0.4333	9.48	2.62	0.58
28	0.4667	9.61	2.49	0.55
30	0.5000	9.74	2.36	0.52
32	0.5333	9.81	2.29	0.51
34	0.5667	9.94	2.16	0.48
36	0.6000	10.00	2.10	0.46
38	0.6333	10.10	2.00	0.44
40	0.6667	10.20	1.90	0.42
42	0.7000	10.30	1.80	0.40
44	0.7333	10.40	1.70	0.38
46	0.7667	10.50	1.60	0.35
48	0.8000	10.56	1.54	0.34
50	0.8333	10.63	1.47	0.33
52	0.8667	10.69	1.41	0.31
54	0.9000	10.76	1.34	0.30
56	0.9333	10.79	1.31	0.29
58	0.9667	10.82	1.28	0.28
60	1.0000	10.89	1.21	0.27
62	1.0333	10.96	1.14	0.25
64	1.0667	11.02	1.08	0.24
66	1.1000	11.05	1.05	0.23
68	1.1333	11.09	1.01	0.22
70	1.1667	11.15	0.95	0.21
72	1.2000	11.15	0.95	0.21
74	1.2333	11.22	0.88	0.19
76	1.2667	11.25	0.85	0.19
78	1.3000	11.28	0.82	0.18
80	1.3333	11.28	0.82	0.18
82	1.3667	11.32	0.78	0.17

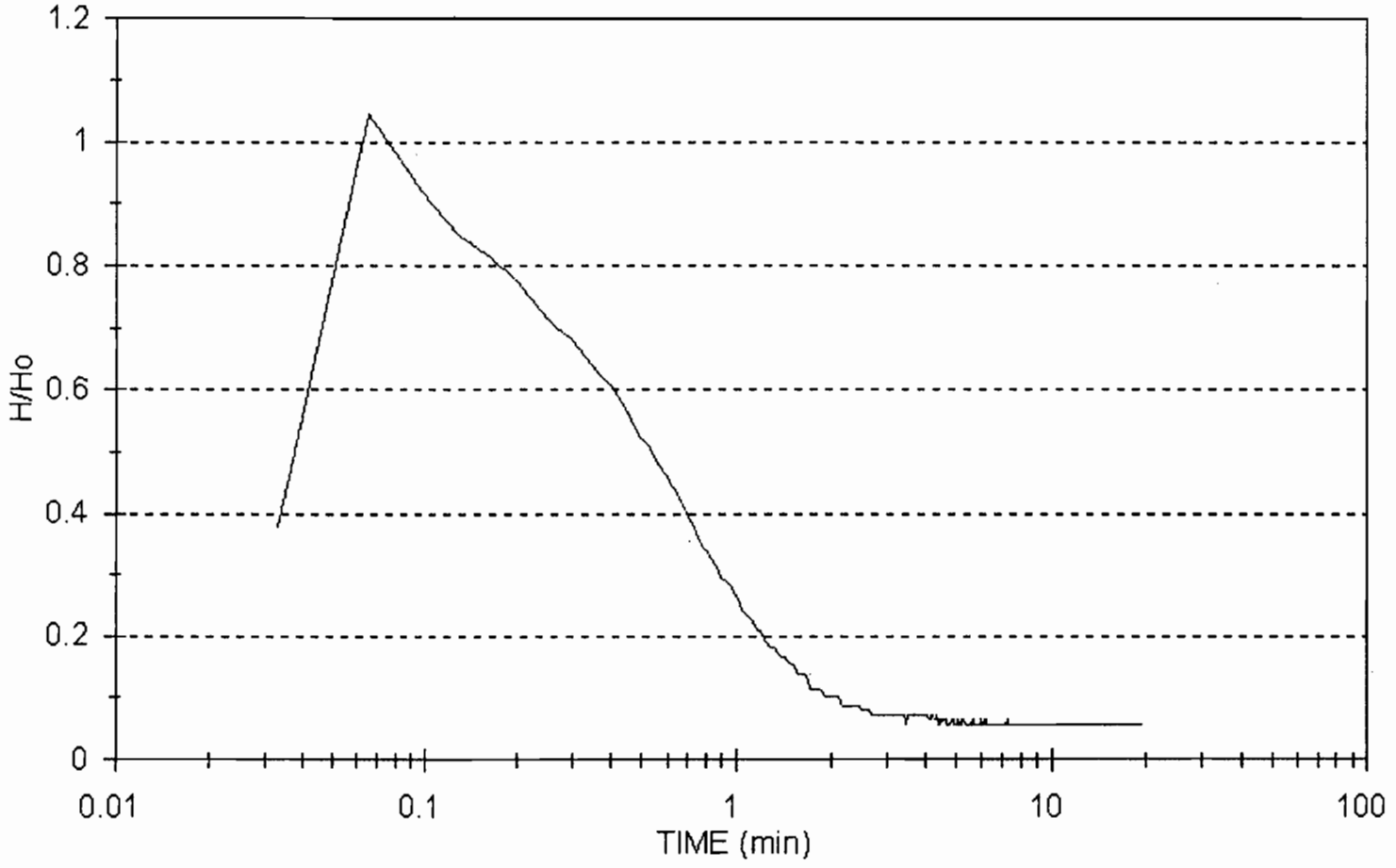
SLUG WITHDRAWAL TEST FOR HC-2

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-2

Lot 6, Riverside Technology Park



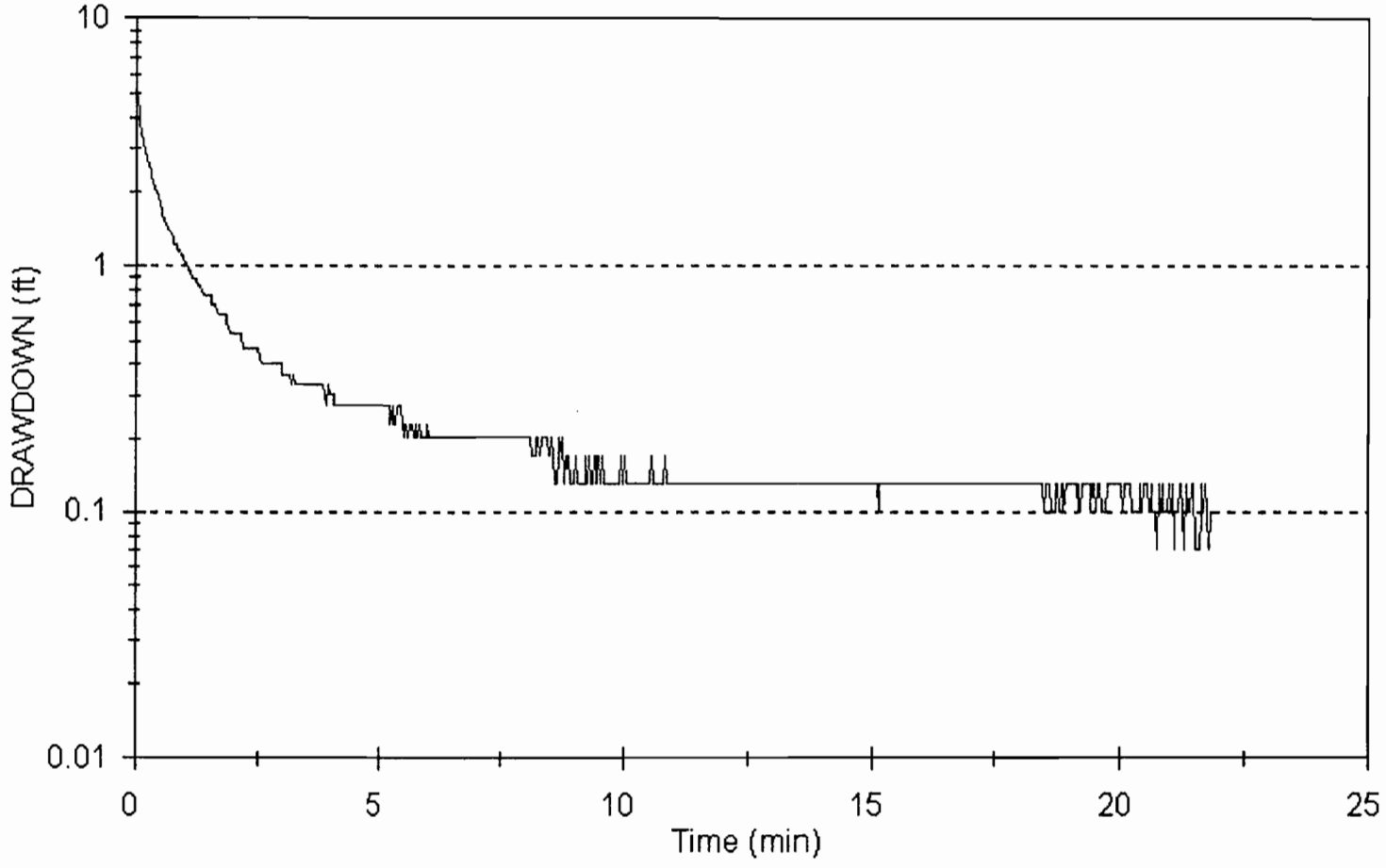
SLUG WITHDRAWAL TEST FOR HC-2A
Lot 6, Riverside Technology Park

Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 14.73 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0	0.0000	14.73	0.00	0.00
2	0.0333	9.91	4.82	1.07
4	0.0667	10.56	4.17	0.92
6	0.1000	10.96	3.77	0.83
8	0.1333	11.28	3.45	0.76
10	0.1667	11.58	3.15	0.70
12	0.2000	11.78	2.95	0.65
14	0.2333	11.97	2.76	0.61
16	0.2667	12.17	2.56	0.57
18	0.3000	12.30	2.43	0.54
20	0.3333	12.43	2.30	0.51
22	0.3667	12.56	2.17	0.48
24	0.4000	12.66	2.07	0.46
26	0.4333	12.76	1.97	0.44
28	0.4667	12.82	1.91	0.42
30	0.5000	12.92	1.81	0.40
32	0.5333	13.05	1.68	0.37
34	0.5667	13.12	1.61	0.36
36	0.6000	13.19	1.54	0.34
38	0.6333	13.25	1.48	0.33
40	0.6667	13.32	1.41	0.31
42	0.7000	13.35	1.38	0.31
44	0.7333	13.38	1.35	0.30
46	0.7667	13.45	1.28	0.28
48	0.8000	13.51	1.22	0.27
50	0.8333	13.51	1.22	0.27
52	0.8667	13.58	1.15	0.25
54	0.9000	13.58	1.15	0.25
56	0.9333	13.64	1.09	0.24
58	0.9667	13.64	1.09	0.24
60	1.0000	13.71	1.02	0.23
62	1.0333	13.71	1.02	0.23
64	1.0667	13.74	0.99	0.22
66	1.1000	13.78	0.95	0.21
68	1.1333	13.78	0.95	0.21
70	1.1667	13.84	0.89	0.20
72	1.2000	13.84	0.89	0.20
74	1.2333	13.84	0.89	0.20
76	1.2667	13.91	0.82	0.18
78	1.3000	13.91	0.82	0.18
80	1.3333	13.91	0.82	0.18
82	1.3667	13.94	0.79	0.17

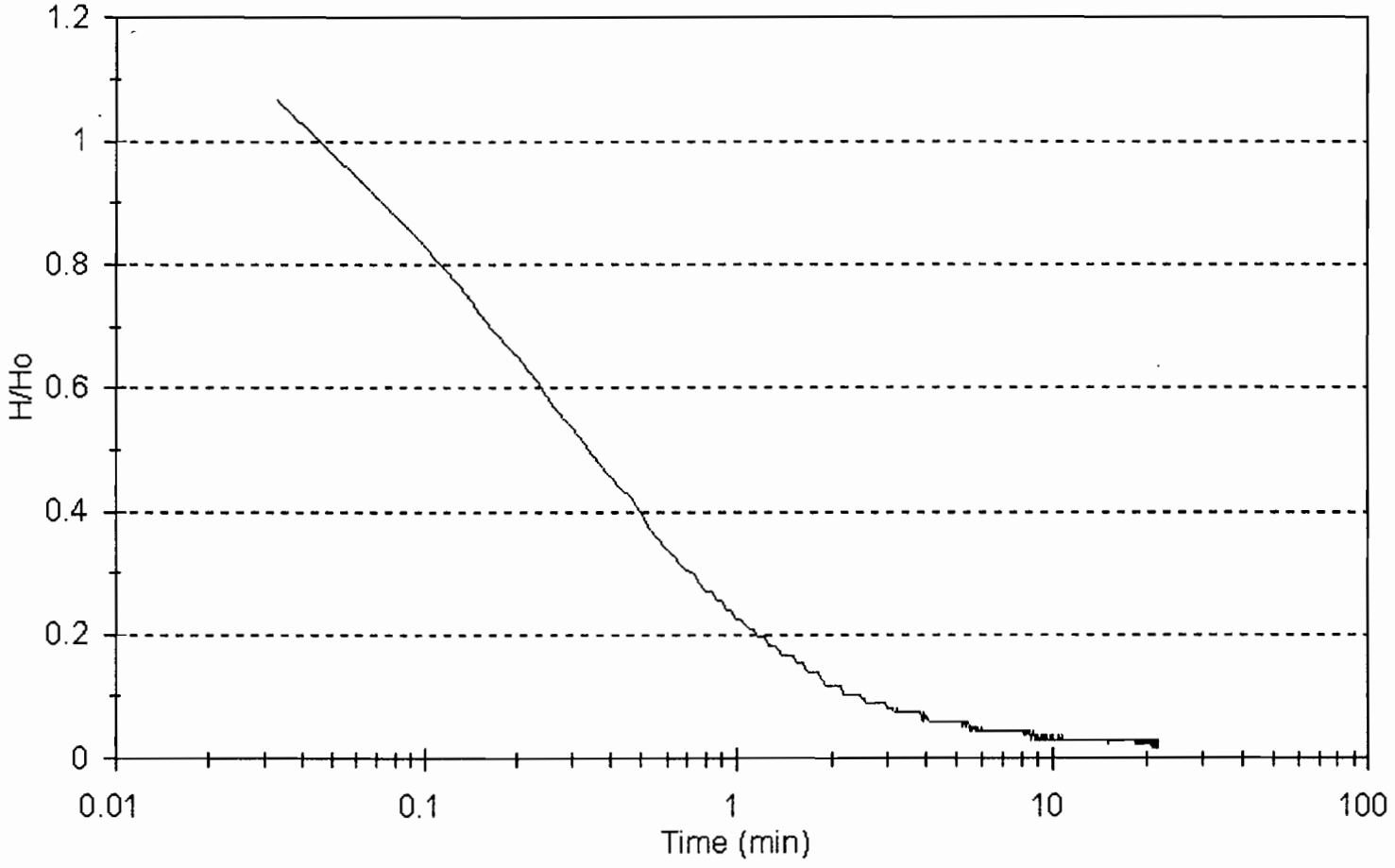
SLUG WITHDRAWAL TEST FOR HC-2A

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-2A

Lot 6, Riverside Technology Park



Riverside – HC-3:

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln\left(\frac{L}{R}\right) \ln\left(\frac{H_1}{H_2}\right)$$

$R = 0.08$ feet
$L = 12.8$ feet
$H_1 = 1.61$ feet
$t_1 = 0.3667$ min
$H_2 = 0.56$ feet
$t_2 = 1.3667$ min

$$K = \frac{(0.08)^2}{2(12.8)(1.3667 - 0.3667)} \ln\left(\frac{12.8}{0.08}\right) \ln\left(\frac{1.61}{0.56}\right)$$

$$= \frac{0.0064}{25.6} (5.08)(1.06)$$

$= 1.35 \times 10^{-3}$ feet/min 1.94 feet per day

$K = 6.84 \times 10^{-4}$ cm/sec

~~0.08 feet per day~~

Conversion = 0.5080

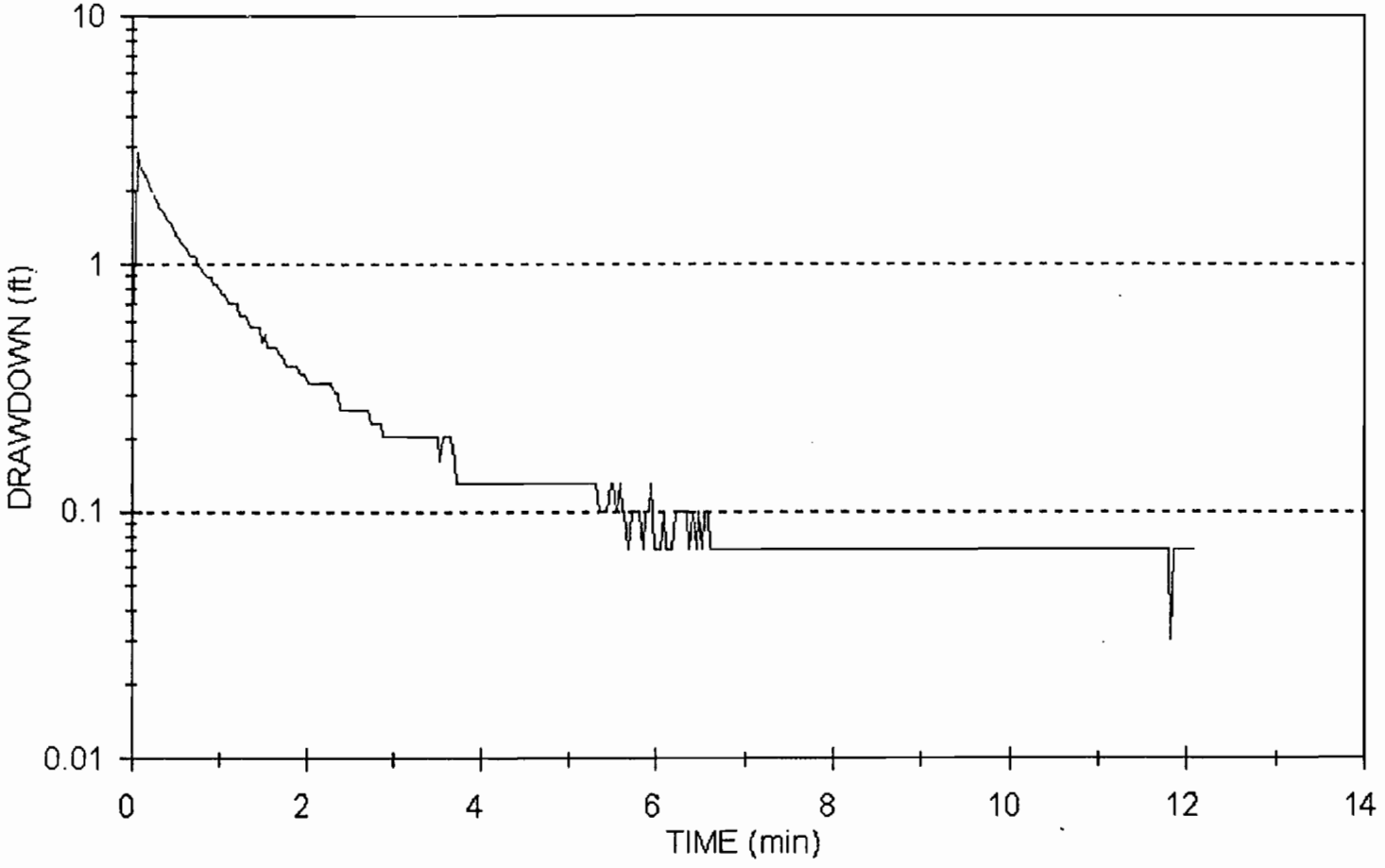
SLUG WITHDRAWAL TEST FOR HC-3
Lot 6, Riverside Technology Park

Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 17.22 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0	0.0000	17.22	0.00	0.00
2	0.0333	16.53	0.69	0.15
4	0.0667	14.4	2.82	0.62
6	0.1000	14.66	2.56	0.57
8	0.1333	14.86	2.36	0.52
10	0.1667	14.99	2.23	0.49
12	0.2000	15.12	2.10	0.46
14	0.2333	15.25	1.97	0.44
16	0.2667	15.32	1.90	0.42
18	0.3000	15.48	1.74	0.38
20	0.3333	15.55	1.67	0.37
22	0.3667	15.61	1.61	0.36
24	0.4000	15.68	1.54	0.34
26	0.4333	15.74	1.48	0.33
28	0.4667	15.81	1.41	0.31
30	0.5000	15.88	1.34	0.30
32	0.5333	15.94	1.28	0.28
34	0.5667	16.01	1.21	0.27
36	0.6000	16.04	1.18	0.26
38	0.6333	16.07	1.15	0.25
40	0.6667	16.14	1.08	0.24
42	0.7000	16.14	1.08	0.24
44	0.7333	16.17	1.05	0.23
46	0.7667	16.24	0.98	0.22
48	0.8000	16.27	0.95	0.21
50	0.8333	16.3	0.92	0.20
52	0.8667	16.33	0.89	0.20
54	0.9000	16.33	0.89	0.20
56	0.9333	16.4	0.82	0.18
58	0.9667	16.4	0.82	0.18
60	1.0000	16.43	0.79	0.17
62	1.0333	16.47	0.75	0.17
64	1.0667	16.47	0.75	0.17
66	1.1000	16.53	0.69	0.15
68	1.1333	16.53	0.69	0.15
70	1.1667	16.53	0.69	0.15
72	1.2000	16.53	0.69	0.15
74	1.2333	16.6	0.62	0.14
76	1.2667	16.6	0.62	0.14
78	1.3000	16.6	0.62	0.14
80	1.3333	16.63	0.59	0.13
82	1.3667	16.66	0.56	0.12

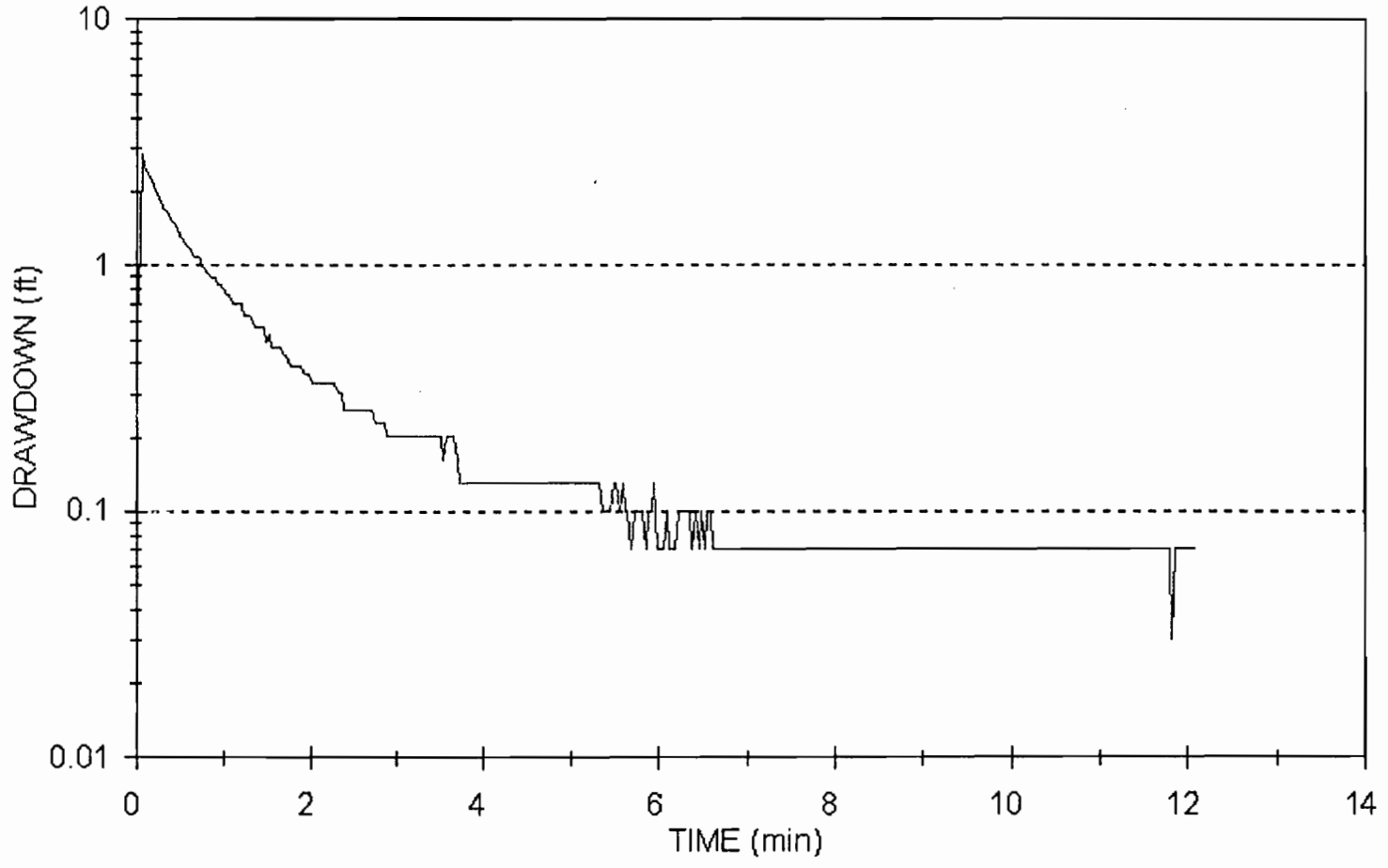
SLUG WITHDRAWAL TEST FOR HC-3

Lot 6, Riverside Technology Park



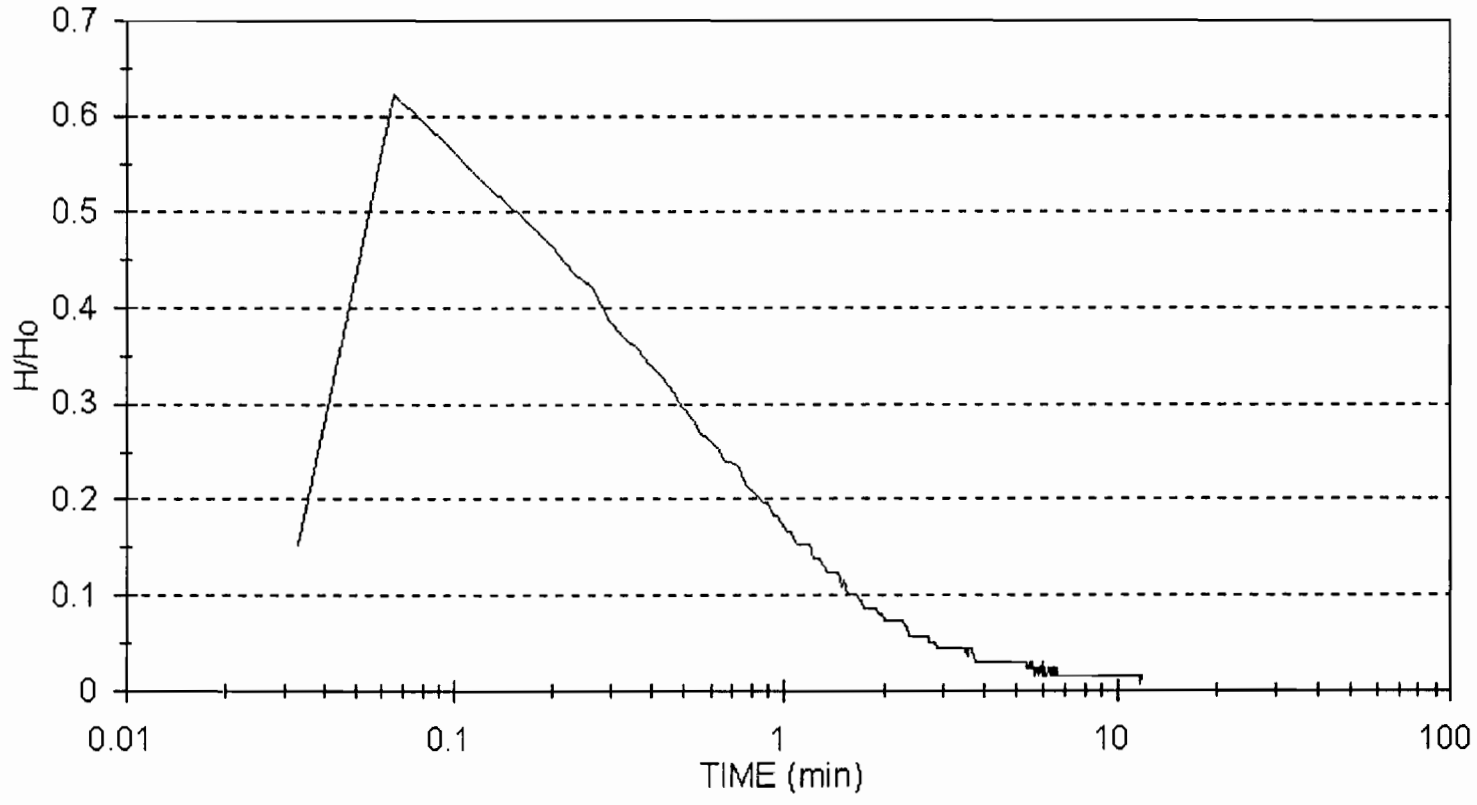
SLUG WITHDRAWAL TEST FOR HC-3

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-3

Lot 6, Riverside Technology Park



Riverside - HC-4A:

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln\left(\frac{L}{R}\right) \ln\left(\frac{H_1}{H_2}\right)$$

$R = 0.08$ feet
$L = 12.5$ feet
$H_1 = 4.26$ feet
$t_1 = 0.0333$ min
$H_2 = 1.18$ feet
$t_2 = 0.3333$ min

$$K = \frac{(0.08)^2}{2(12.5)(0.3333 - 0.0333)} \ln\left(\frac{12.5}{0.08}\right) \ln\left(\frac{4.26}{1.18}\right)$$

$$= \frac{0.0064}{7.5} (5.05)(1.28)$$

$= 5.52 \times 10^{-3}$ feet/min 7.95 feet per day

$K = 2.8 \times 10^{-3}$ cm/sec

Conversion = 0.5080

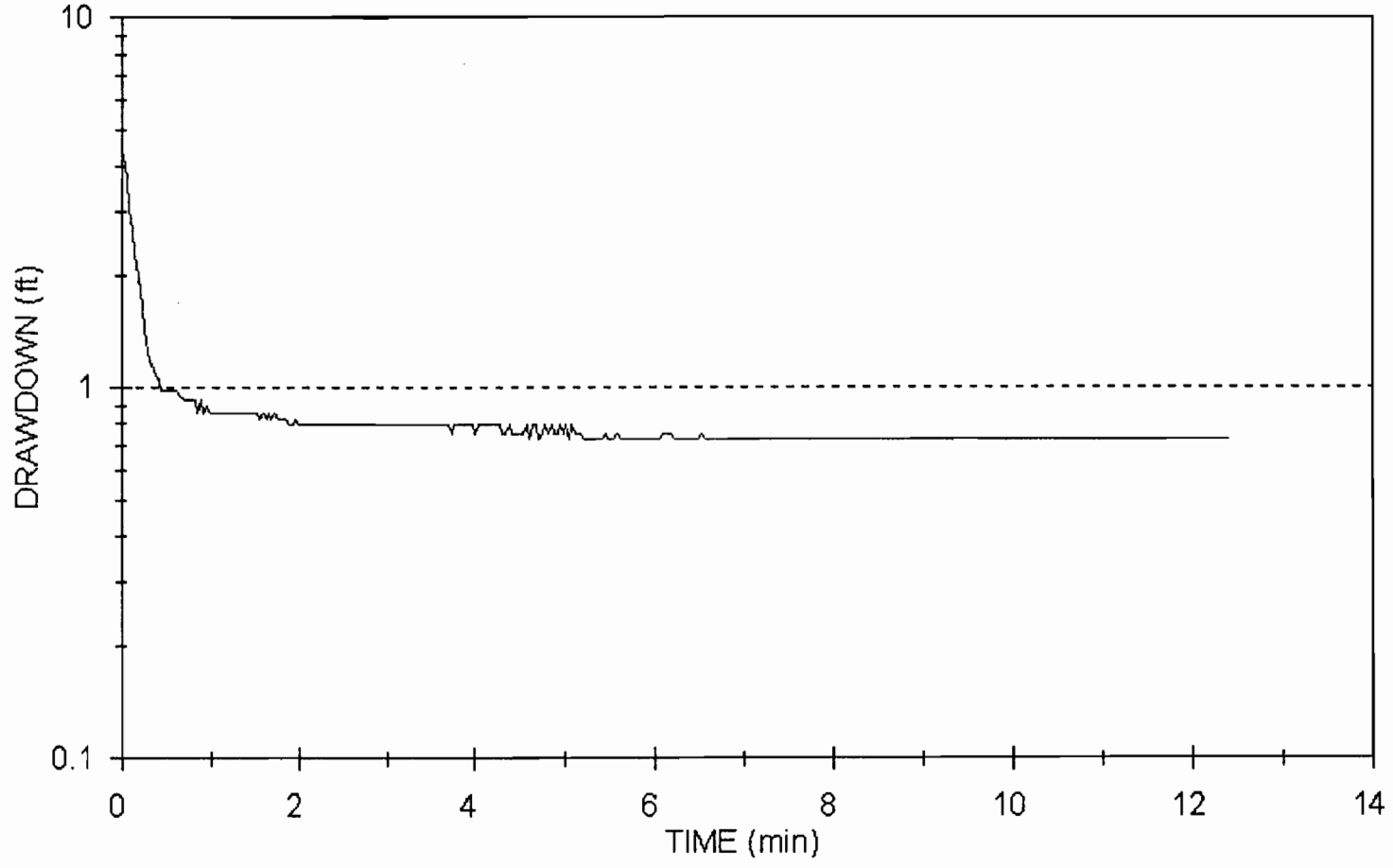
SLUG WITHDRAWAL TEST FOR HC-4A
Lot 6, Riverside Technology Park

Well Radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 13.35 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0	0.0000	13.35	0.00	0.00
2	0.0333	9.09	4.26	0.94
4	0.0667	9.68	3.67	0.81
6	0.1000	10.3	3.05	0.67
8	0.1333	10.69	2.66	0.59
10	0.1667	11.05	2.30	0.51
12	0.2000	11.35	2.00	0.44
14	0.2333	11.68	1.67	0.37
16	0.2667	11.91	1.44	0.32
18	0.3000	12.1	1.25	0.28
20	0.3333	12.17	1.18	0.26
22	0.3667	12.23	1.12	0.25
24	0.4000	12.3	1.05	0.23
26	0.4333	12.3	1.05	0.23
28	0.4667	12.37	0.98	0.22
30	0.5000	12.37	0.98	0.22
32	0.5333	12.37	0.98	0.22
34	0.5667	12.37	0.98	0.22
36	0.6000	12.37	0.98	0.22
38	0.6333	12.37	0.98	0.22
40	0.6667	12.4	0.95	0.21
42	0.7000	12.43	0.92	0.20
44	0.7333	12.43	0.92	0.20
46	0.7667	12.43	0.92	0.20
48	0.8000	12.43	0.92	0.20
50	0.8333	12.43	0.92	0.20
52	0.8667	12.5	0.85	0.19
54	0.9000	12.43	0.92	0.20
56	0.9333	12.5	0.85	0.19
58	0.9667	12.46	0.89	0.20
60	1.0000	12.5	0.85	0.19
62	1.0333	12.5	0.85	0.19
64	1.0667	12.5	0.85	0.19
66	1.1000	12.5	0.85	0.19
68	1.1333	12.5	0.85	0.19
70	1.1667	12.5	0.85	0.19
72	1.2000	12.5	0.85	0.19
74	1.2333	12.5	0.85	0.19
76	1.2667	12.5	0.85	0.19
78	1.3000	12.5	0.85	0.19
80	1.3333	12.5	0.85	0.19
82	1.3667	12.5	0.85	0.19

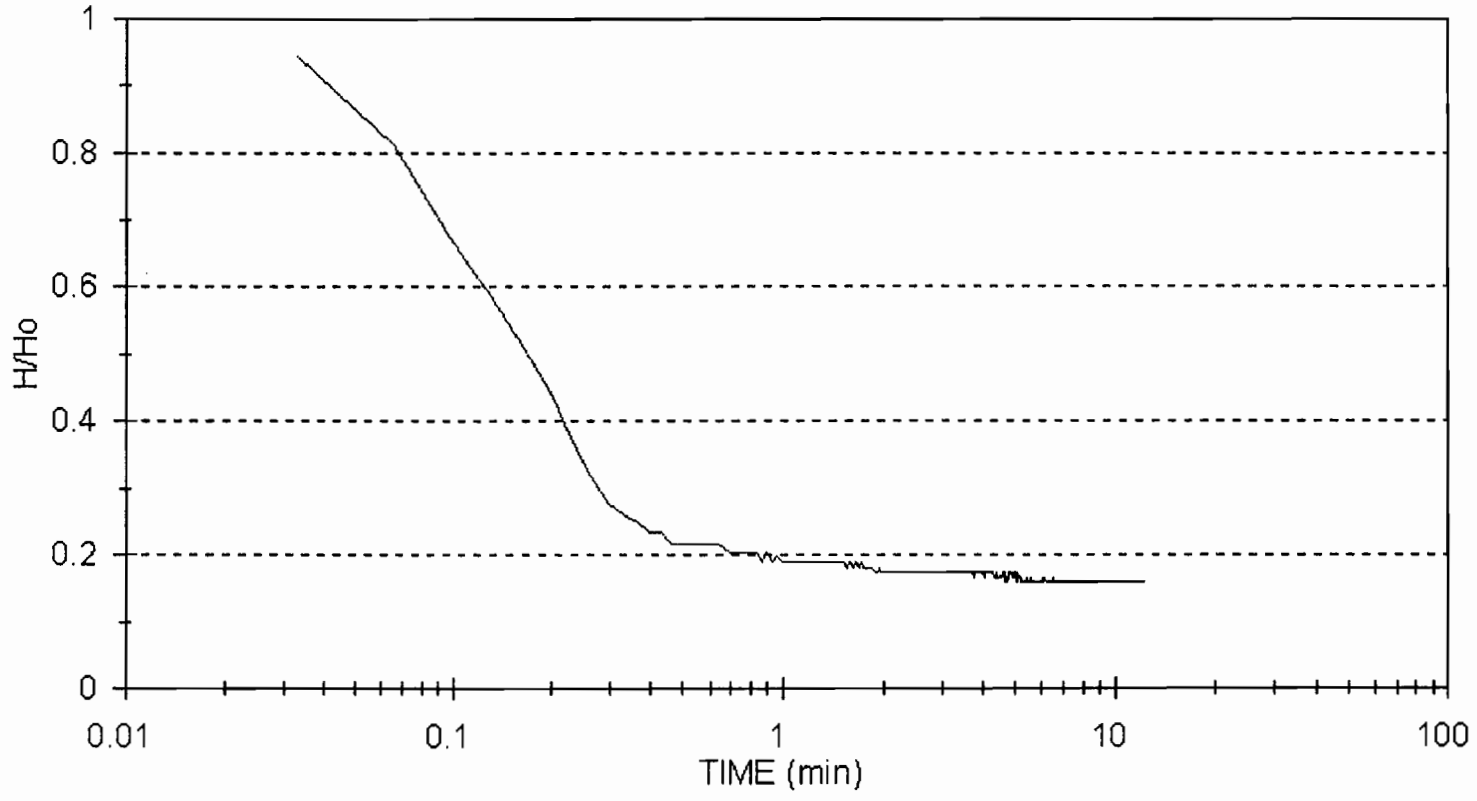
SLUG WITHDRAWAL TEST FOR HC-4A

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-4A

Lot 6, Riverside Technology Park



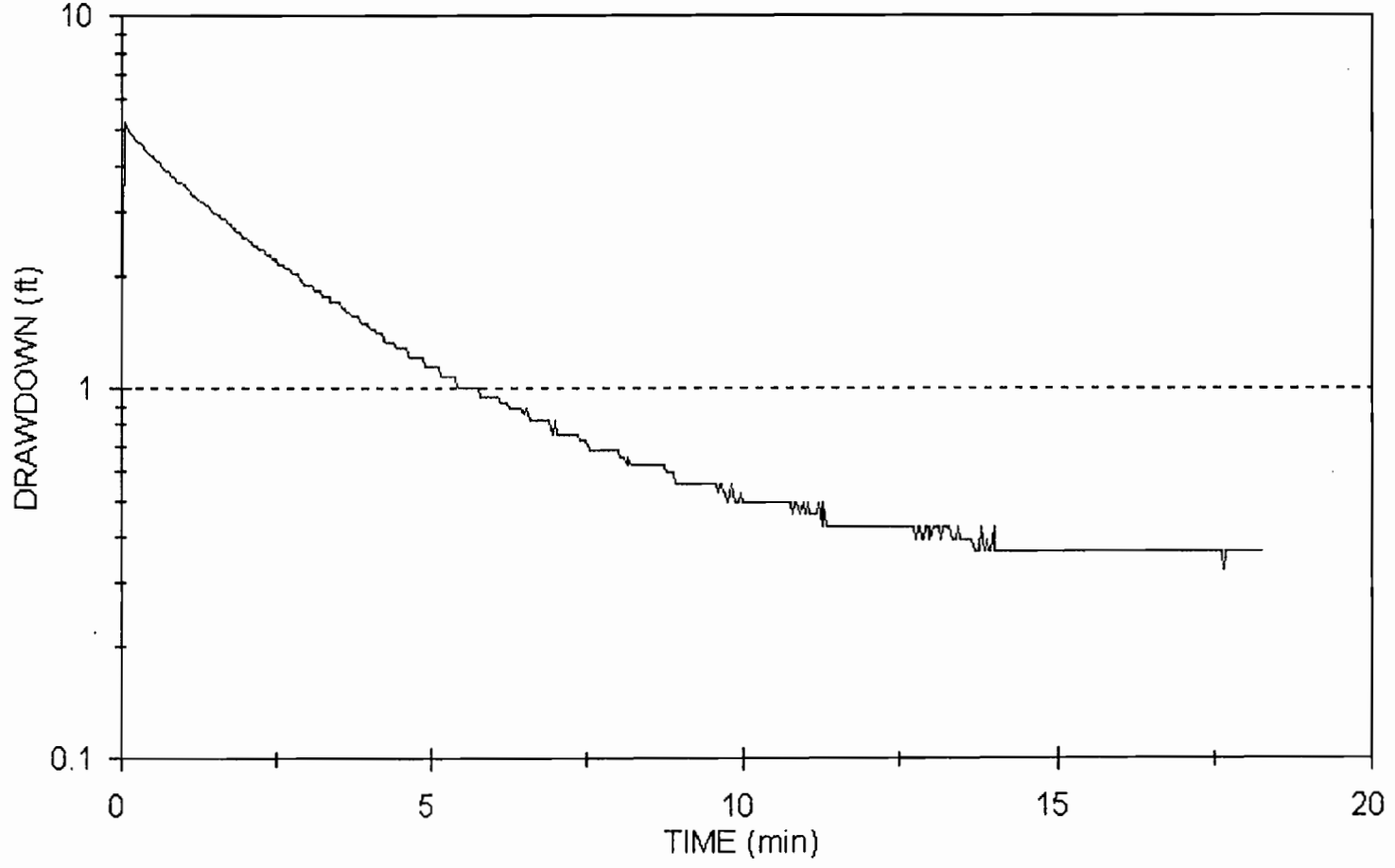
SLUG WITHDRAWAL TEST FOR HC-4
Lot 6, Riverside Technology Park

Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 14.92 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0.00	0.00	14.92	0.00	0.00
2.00	0.03	12.53	2.39	0.53
4.00	0.07	9.68	5.24	1.16
6.00	0.10	9.81	5.11	1.13
8.00	0.13	9.94	4.98	1.10
10.00	0.17	10.04	4.88	1.08
12.00	0.20	10.14	4.78	1.06
14.00	0.23	10.20	4.72	1.04
16.00	0.27	10.27	4.65	1.03
18.00	0.30	10.33	4.59	1.02
20.00	0.33	10.40	4.52	1.00
22.00	0.37	10.46	4.46	0.99
24.00	0.40	10.53	4.39	0.97
26.00	0.43	10.59	4.33	0.96
28.00	0.47	10.66	4.26	0.94
30.00	0.50	10.69	4.23	0.94
32.00	0.53	10.73	4.19	0.93
34.00	0.57	10.79	4.13	0.91
36.00	0.60	10.86	4.06	0.90
38.00	0.63	10.89	4.03	0.89
40.00	0.67	10.96	3.96	0.88
42.00	0.70	11.02	3.90	0.86
44.00	0.73	11.09	3.83	0.85
46.00	0.77	11.09	3.83	0.85
48.00	0.80	11.15	3.77	0.83
50.00	0.83	11.22	3.70	0.82
52.00	0.87	11.22	3.70	0.82
54.00	0.90	11.28	3.64	0.81
56.00	0.93	11.35	3.57	0.79
58.00	0.97	11.35	3.57	0.79
60.00	1.00	11.41	3.51	0.78
62.00	1.03	11.41	3.51	0.78
64.00	1.07	11.48	3.44	0.76
66.00	1.10	11.51	3.41	0.75
68.00	1.13	11.55	3.37	0.75
70.00	1.17	11.61	3.31	0.73
72.00	1.20	11.61	3.31	0.73
74.00	1.23	11.68	3.24	0.72
76.00	1.27	11.71	3.21	0.71
78.00	1.30	11.74	3.18	0.70
80.00	1.33	11.74	3.18	0.70
82.00	1.37	11.81	3.11	0.69

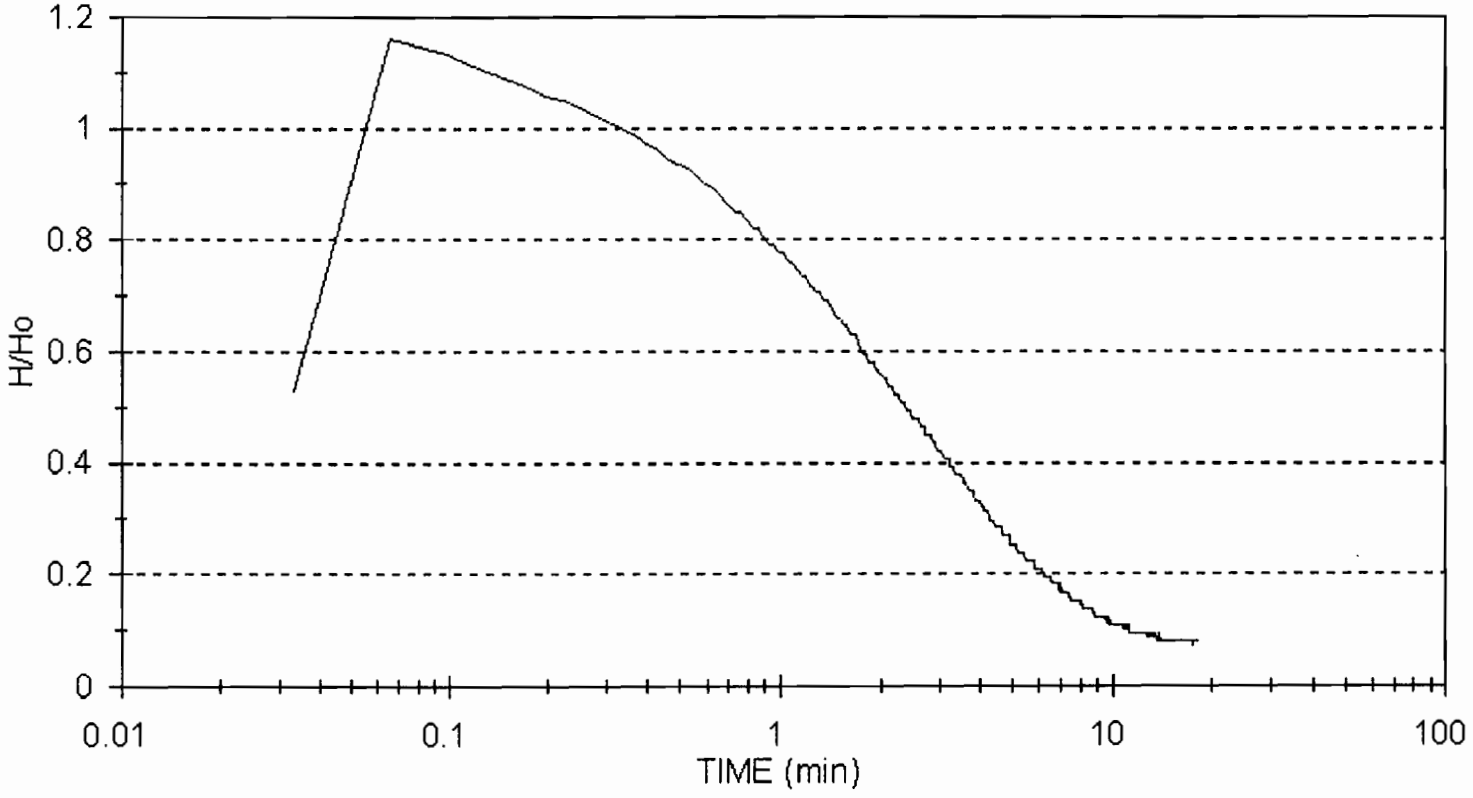
SLUG WITHDRAWAL TEST FOR HC-4

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-4

Lot 6, Riverside Technology Park



Riverside - HC-5:

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln\left(\frac{L}{R}\right) \ln\left(\frac{H_1}{H_2}\right)$$

$R = 0.08$ feet
$L = 14.5$ feet
$H_1 = 3.38$ feet
$t_1 = 0.0333$ min
$H_2 = 1.21$ feet
$t_2 = 0.3333$ min

$$K = \frac{(0.08)^2}{2(14.5)(0.3333 - 0.0333)} \ln\left(\frac{14.5}{0.08}\right) \ln\left(\frac{3.38}{1.21}\right)$$

$$= \frac{0.0064}{8.7} (5.20)(2.79)$$

$= 1.07 \times 10^{-2}$ feet/min 15.4 feet per day

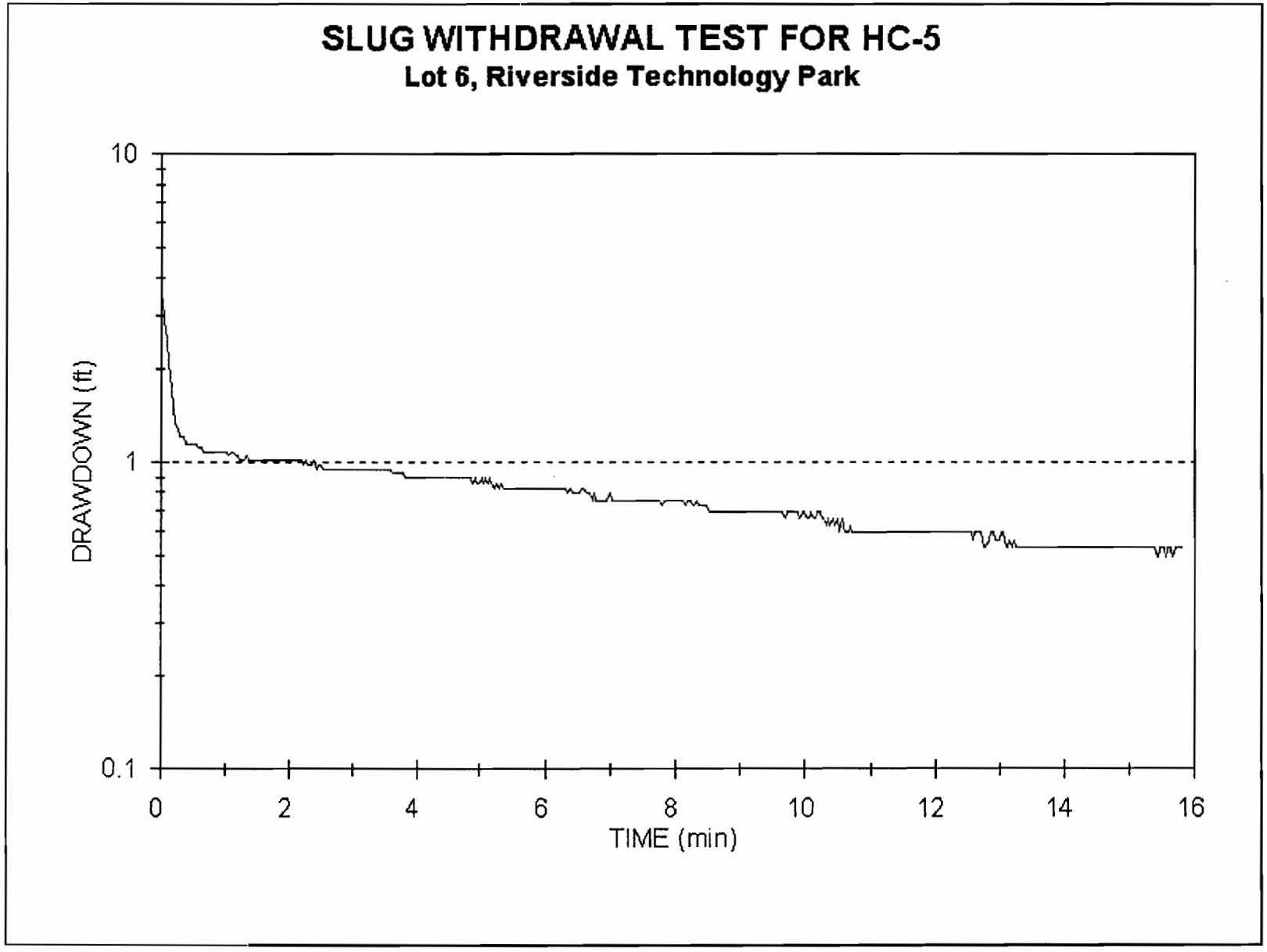
$k = 5.4 \times 10^{-3}$ cm/sec

Conversion = 0.5080

SLUG WITHDRAWAL TEST FOR HC-5
Lot 6, Riverside Technology Park

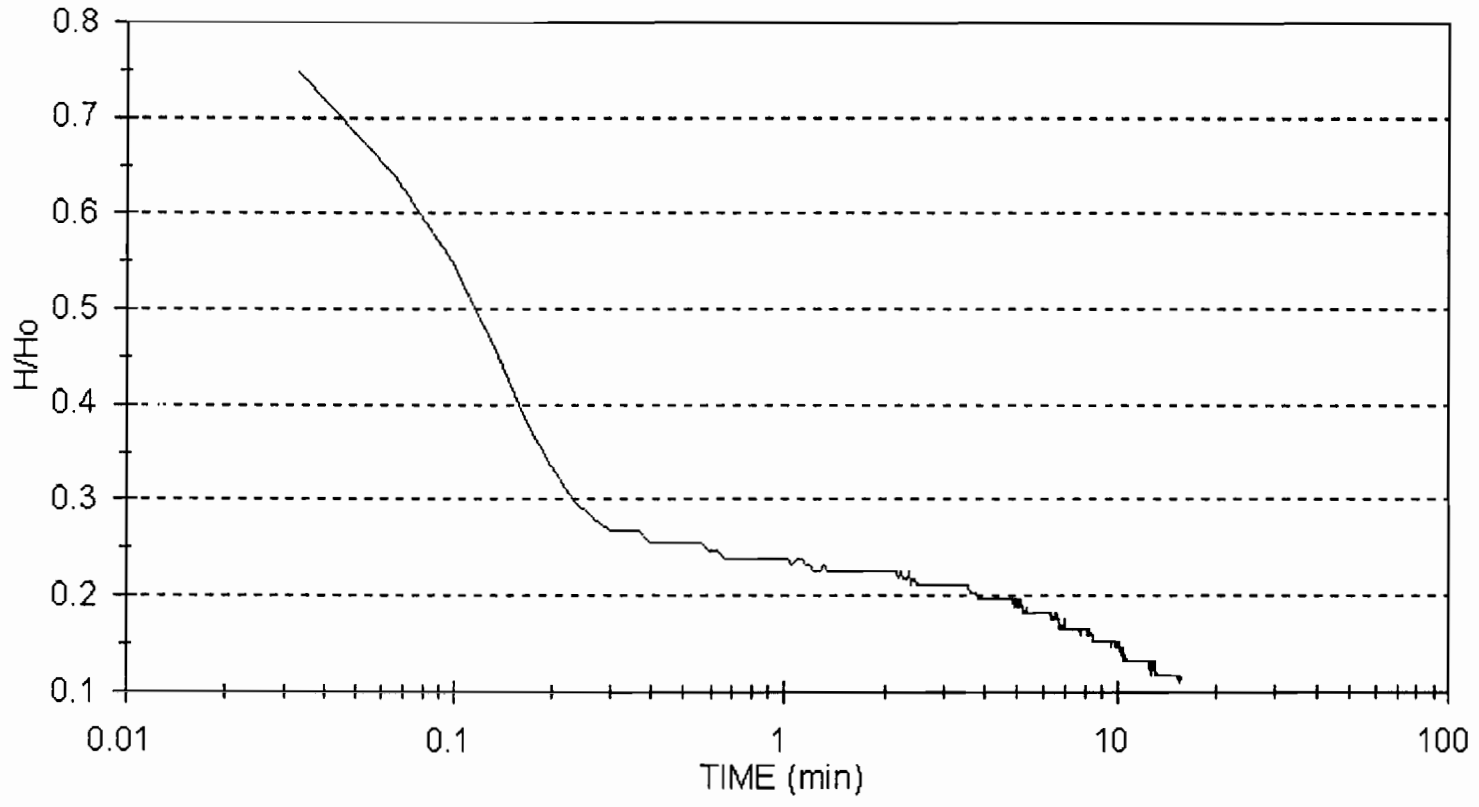
Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 10.89 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0	0.0000	10.89	0.00	0.00
2	0.0333	7.51	3.38	0.75
4	0.0667	8.00	2.89	0.64
6	0.1000	8.40	2.49	0.55
8	0.1333	8.79	2.10	0.46
10	0.1667	9.15	1.74	0.38
12	0.2000	9.38	1.51	0.33
14	0.2333	9.54	1.35	0.30
16	0.2667	9.61	1.28	0.28
18	0.3000	9.68	1.21	0.27
20	0.3333	9.68	1.21	0.27
22	0.3667	9.68	1.21	0.27
24	0.4000	9.74	1.15	0.25
26	0.4333	9.74	1.15	0.25
28	0.4667	9.74	1.15	0.25
30	0.5000	9.74	1.15	0.25
32	0.5333	9.74	1.15	0.25
34	0.5667	9.74	1.15	0.25
36	0.6000	9.77	1.12	0.25
38	0.6333	9.77	1.12	0.25
40	0.6667	9.81	1.08	0.24
42	0.7000	9.81	1.08	0.24
44	0.7333	9.81	1.08	0.24
46	0.7667	9.81	1.08	0.24
48	0.8000	9.81	1.08	0.24
50	0.8333	9.81	1.08	0.24
52	0.8667	9.81	1.08	0.24
54	0.9000	9.81	1.08	0.24
56	0.9333	9.81	1.08	0.24
58	0.9667	9.81	1.08	0.24
60	1.0000	9.81	1.08	0.24
62	1.0333	9.81	1.08	0.24
64	1.0667	9.84	1.05	0.23
66	1.1000	9.81	1.08	0.24
68	1.1333	9.81	1.08	0.24
70	1.1667	9.84	1.05	0.23
72	1.2000	9.84	1.05	0.23
74	1.2333	9.87	1.02	0.23
76	1.2667	9.87	1.02	0.23
78	1.3000	9.87	1.02	0.23
80	1.3333	9.84	1.05	0.23
82	1.3667	9.87	1.02	0.23


SLUG WITHDRAWAL TEST FOR HC-5
Lot 6, Riverside Technology Park
DRAWDOWN (ft)
10
1
0.1
0
2
4
6
8
10
12
14
16
TIME (min)

SLUG WITHDRAWAL TEST FOR HC-5

Lot 6, Riverside Technology Park



Riverside - Hc-6:

$$K = \frac{R^2}{2L(t_2 - t_1)} \ln\left(\frac{L}{R}\right) \ln\left(\frac{H_1}{H_2}\right)$$

$R = 0.08$ feet
$L = 12.5$ feet
$H_1 = 5.71$ feet
$t_2 = 0.0333$ min
$H_2 = 0.86$ feet
$t_2 = 0.3333$ min

$$K = \frac{(0.08)^2}{2(12.5)(0.3333 - 0.0333)} \ln\left(\frac{12.5}{0.08}\right) \ln\left(\frac{5.71}{0.86}\right)$$

$$= \frac{0.0064}{7.5} (5.05)(6.64)$$

$= 2.86 \times 10^{-2}$ feet/min

41.2 feet per day

$K = 1.45 \times 10^{-2}$ cm/sec

~~20.7 feet per day~~

Conversion = 0.5080

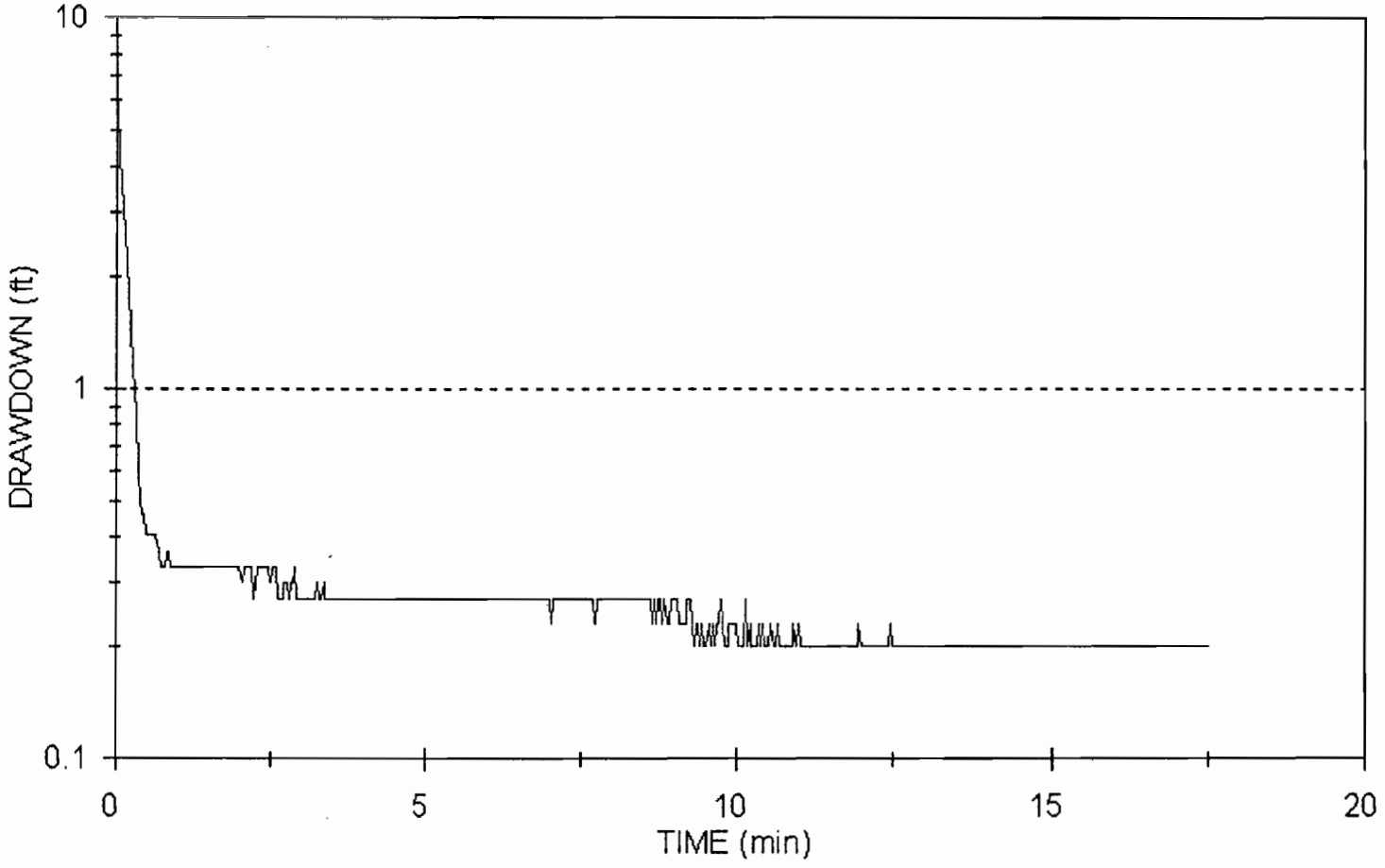
SLUG WITHDRAWAL TEST FOR HC-6
Lot 6, Riverside Technology Park

Well radius = 2.0 inches
Ho = 4.52 feet
Initial water level above transducer = 13.78 feet

Elapsed Time (sec)	Elapsed Time (min)	Feet of Water above Transducer	H	H/Ho
0	0.0000	13.78	0.00	0.00
2	0.0333	8.07	5.71	1.26
4	0.0667	9.54	4.24	0.94
6	0.1000	10.17	3.61	0.80
8	0.1333	10.69	3.09	0.68
10	0.1667	11.15	2.63	0.58
12	0.2000	11.58	2.20	0.49
14	0.2333	11.97	1.81	0.40
16	0.2667	12.3	1.48	0.33
18	0.3000	12.63	1.15	0.25
20	0.3333	12.92	0.86	0.19
22	0.3667	13.19	0.59	0.13
24	0.4000	13.28	0.50	0.11
26	0.4333	13.32	0.46	0.10
28	0.4667	13.32	0.46	0.10
30	0.5000	13.38	0.40	0.09
32	0.5333	13.38	0.40	0.09
34	0.5667	13.38	0.40	0.09
36	0.6000	13.38	0.40	0.09
38	0.6333	13.38	0.40	0.09
40	0.6667	13.38	0.40	0.09
42	0.7000	13.42	0.36	0.08
44	0.7333	13.45	0.33	0.07
46	0.7667	13.45	0.33	0.07
48	0.8000	13.45	0.33	0.07
50	0.8333	13.42	0.36	0.08
52	0.8667	13.42	0.36	0.08
54	0.9000	13.45	0.33	0.07
56	0.9333	13.45	0.33	0.07
58	0.9667	13.45	0.33	0.07
60	1.0000	13.45	0.33	0.07
62	1.0333	13.45	0.33	0.07
64	1.0667	13.45	0.33	0.07
66	1.1000	13.45	0.33	0.07
68	1.1333	13.45	0.33	0.07
70	1.1667	13.45	0.33	0.07
72	1.2000	13.45	0.33	0.07
74	1.2333	13.45	0.33	0.07
76	1.2667	13.45	0.33	0.07
78	1.3000	13.45	0.33	0.07
80	1.3333	13.45	0.33	0.07
82	1.3667	13.45	0.33	0.07

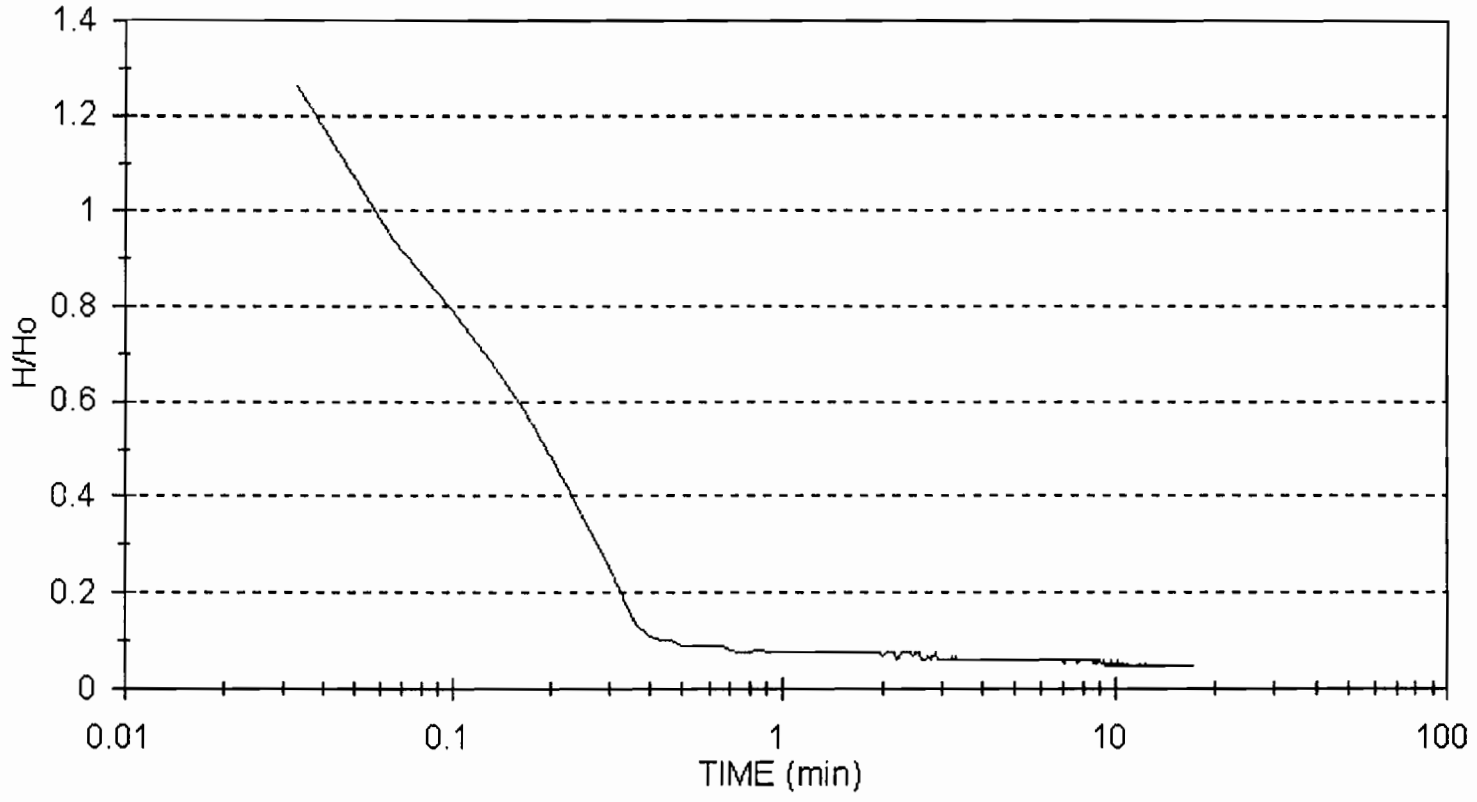
SLUG WITHDRAWAL TEST FOR HC-6

Lot 6, Riverside Technology Park



SLUG WITHDRAWAL TEST FOR HC-6

Lot 6, Riverside Technology Park



APPENDIX 3

WESTERN FILL TEST PIT EXCAVATION LOGS
PHASE III GEOPROBE LOGS

APPENDIX 3

WESTERN FILL TEST PIT EXCAVATION LOGS

TEST PIT EXCAVATION LOG

Test Pit No.: FS-1

Project Name: Riverside Tech Park Brownfields		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: Lot No. 6	Surface :	—		refer to site map
	Ground Water:	None		
Client: City of Schenectady, I.D.A.	Bottom :	2.0		Date: 6/29/2000
Project No.: 99-15B.01	Excav. Equip.: Massey Ferguson 1165			Logged By: S. LeFevre

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Misc. Fill material consisting of brick fragments, wood pieces, shale and cobbles to approx 1.5 ft. depth. Change at 1.5 ft to mottled silty clay with rock fragments and wood pieces.	PID = 0.0 ppm
5				
10			End of Test Pit at 2.0 ft. depth	
15				

Comments: Sample FS-1A collected at 0.5 ft. depth.
Sample FS-1B collected at 2.0 ft. depth.

Test Pit No.: FS-1

TEST PIT EXCAVATION LOG

Test Pit No.: FS-2

Project Name: Riverside Tech. Park Brownfields		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: Lot. No. 6	Surface :	—		refer to site map
	Ground Water:	None		
Client: City of Schenectady I.D.A.	Bottom :	4.0		Date: 6/29/2000
Project No.: 99-158.01	Excav. Equip.: Massey Ferguson 1165			Logged By: S. LeFevre

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Misc. Fill material consisting of cobbles, shale fragments in a silty clay matrix; dark brown, organic odor. Chunks of asphalt (5 inches thick) encountered at an depth of approximately 3.0 ft. change to original at 3.5 ft. depth	PID = 0.0 ppm
5				
10			End of Test Pit at 4.0 ft. depth	
15				

Comments:

Sample FS-2A collected at 2.0 ft depth.
Sample FS-2B collected at 4.0 ft. depth.

Test Pit No.: FS-2

TEST PIT EXCAVATION LOG

Test Pit No.: FS-3

Project Name: Riverside Tech. Park Brownfields		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: Lot No. 6	Surface :	—		refer to site map
	Ground Water:	None		
Client: City of Schenectady I.D.A.	Bottom :	4.0		Date: 6/29/2000
Project No.: 99-15B.01	Excav. Equip.: Massey Ferguson 1165			Logged By: S. Le Fevre

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Misc. Fill material consisting of rock and shale fragments in a silty sand matrix; Lenses of dark gray material evident, very large piece of concrete encountered at a depth of approximately 3.0 ft. Change to tan-colored fine sand at a depth of 4.0 ft.	PID = 0.0 p.p.m.
5				
10			End of Test Pit at 4.0 ft. depth	
15				

Comments:

Sample FS-3A collected at 1.5 ft. depth
Sample FS-3B collected at 4.0 ft. depth

Test Pit No.: FS-3

TEST PIT EXCAVATION LOG

Test Pit No.: FS-4

Project Name: Riverside Tech. Park Brownfields		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: Lot No. 6	Surface :	—		refer to site map
	Ground Water:	None		
Client: City of Scheresdale, I.D.A.	Bottom :	4.5		Date: 6/29/2000
Project No.: 99-158.01	Excav. Equip.: Massey Ferguson 1165			Logged By: S. LeFevre

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Misc. Fill material consisting of shale fragments, cobbles, pieces of wood in a silty sand matrix. Change at 4.5 ft to a tan-colored silty sand	PID = 0.0 ppm
5			End of Test Pit at 4.5 ft. depth	
10				
15				

Comments:

Sample FS-4A collected at 4.0 ft. depth

Sample FS-4B collected at 4.5 ft. depth.

TEST PIT EXCAVATION LOG

Test Pit No.: FS-5

Project Name: Riverside Tech. Park Brownfields		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: Lot No. 6	Surface :	—		refer to site map
	Ground Water:	None		
Client: City of Schenectady I.D.A.	Bottom :	4.0		Date: 6/29/2000
Project No.: 99-158.01	Excav. Equip.: Massey Ferguson 1165			Logged By: S. LeFevre

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Misc. Fill material consisting of concrete pieces, wood, brick, and shale fragments in a sand matrix. Change at 3.0 ft. depth to a dark gray (possible staining) mottled silty clay material. Change to a tan-colored fine silty sand at a depth of 4.0 ft.	PID = 0.0 p.p.m.
5				
10			End of Test Pit at 4.0 ft. depth	
15				

Comments:

Sample FS-5A collected at 3.0 ft. depth
Sample FS-5B collected at 4.0 ft. depth

Test Pit No.: FS-5

TEST PIT EXCAVATION LOG

Test Pit No.: FS-6

Project Name: Riverside Tech. Park Brownfields		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: Lot. No. 6	Surface :	—		refer to site map
	Ground Water:	None		
Client: City of Schenectady I.D.A.	Bottom :	4.0		Date: 6/29/2000
Project No.: 99-158.01	Excav. Equip.: Massey Ferguson			Logged By: S. LeFevre

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Misc. Fill material consisting of chunks of asphalt, shale fragments, and wood in a sand matrix. Encountered a dense layer of asphalt at a depth of 1.0 ft. Change at 4.0 ft. to a tan-colored silty sand	PID = 0.0 ppm
5				
10			End of Test Pit at 4.0 ft. depth	
15				

Comments:

Sample FS-6A collected at 2.0 ft. depth
Sample FS-6B collected at 4.0 ft. depth

Test Pit No.: FS-6

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: FS-2**

Project Name/Location: Riverside Tech Park Lot 6 Location: TP FS-2; See Site Plan

Client: City of Schenectady IDA Elevation: 238.3 ft. +/-

Start Date: 8/9/02

Finish Date: 8/9/02

Contractor: ADT

Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: N/A Casing: _____ Boring: 8.0'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	238.3	C–1 (36 in.)	FS-2AA	65 - 72	FILL – gravel in a silty sand matrix, brown, compact, dry cobble in core nose
	235.3		FS-2A *	6.6 - 7.5	
5	225.0	C–2 (24 in.)			FILL – gravel in a silty sand matrix, brown, compact, dry, top 3" (caved material from above ?) SAND- Brown, medium sand w/ loam, damp, below 3"
10					End of GeoProbel at 8.0 ft.
15					
20					
25					
30					

Comments: Sampling w/ 2" Geoprobe Core * laboratory test sample

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: FS-4**

Project Name/Location: Riverside Tech Park Lot 6 — Location: TP FS-4; See Site Plan

Client: City of Schenectady IDA — Elevation: 238.3 ft. +/-

Start Date: 8/9/02

Finish Date: 8/9/02

Contractor: ADT

Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: N/A Casing: _____ Boring: 8.0'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	238.3	C–1 (36 in.)	FS-4A *	13 - 20	FILL – gravel in a silty sand matrix, brown, compact, dry damp below 26"
	235.3		FS-4B *	12 - 31	
5		C–2 (47in.)			FILL – gravel in a silty sand matrix, brown, compact, dry, top 18" (some caved material from above ?) SAND- Brown, medium sand, loamy, w/ coal frags (?), 5.5' to 6.0 ' GLACIL TILL, gray sandy gravel w/ silt, below 6.0'
	225.0				
10					End of GeoProbe at 8.0 ft.
15					
20					
25					
30					

Comments: Sampling w/ 2" Geoprobe Core * laboratory test sample

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1

Boring No.: FS-6

Project Name/Location: Riverside Tech Park Lot 6

Client: City of Schenectady IDA

Location: TP FS-6; See Site Plan
Elevation: 238.3 ft. +/-
Start Date: 8/9/02
Finish Date: 8/9/02
Contractor: ADT
Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: 10' Casing: _____ Boring: 14.0'
Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	238.3	C–1 (38 in.)	FS-6A *	4.0 - 6.0	FILL – gravel in a silty sand matrix, brown, trace coal (?) compact, dry
			FS-6B *	9 - 10	SAND- Brown, fine-medium sand, trace coal (?), dry in core nose
	234.3				
5		C–2 (30 in.)			SAND- Brown, fine-medium sand, moist 4' to 5.5' GLACIAL TILL - Gray coarse gravel in silty sand matrix, dry, below 5' shale frags in clay at 6.5'
10		C–3 (40 in.)	FS-6-9	320 - 620	SAND- Brown, fine-medium sand, crs gravel layers Petroleum contaminated gravel in core nose, wet
			FS-6-10 *	171 - 235	
			FS-6-11	129 - 135	
		C–4 (24 in.)			GLACIAL TILL - Gray coarse gravel in silty sand matrix, saturated Petroleum odor
	224.3		FS-6-13	87 - 120	
15					End of GeoProbe - Refusal at 14.0 ft.
					No Water Sample Taken
20					
25					
30					

Comments: Ground Water Depth Estimated by Soil Sample Saturation
Sampling w/ 2" Geoprobe Core * laboratory test sample

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: B-10**

Project Name/Location: Riverside Tech Park Lot 6 Location: Refer to Site Plan

Client: City of Schenectady IDA Elevation: 233.0 ft. +/-

Start Date: 8/9/02

Finish Date: 8/9/02

Contractor: ADT

Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: 9.5' Casing: _____ Boring: 12.0'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	233.0	C–1 (38 in.)	B10-A	4.0	FILL – gravel in a silty sand matrix, brown, compact, dry damp below 18" w/ musty odor, coal frags (?).
			B10-B *	12 - 31	
	228.7				
5		C–2 (39 in.)	B-10-6	39 - 52	FILL – same as above, to 4.3 ' (caved material from above ?) SAND- Brown fine Sand, tr. silt, damp, 4.3' to 5.2' GLACIAL TILL - Gray till, sand & gravel w/silt below 5.2'
		C–3 (42 in.)	B-10-9 *	255 - 285	GLACIAL TILL - Gray till, sand & gravel w/silt, interbedded w/ coarse sand layers. Saturated at 9.5' (sampled crs sand layer)
10	221.0				
					End of GeoProbe at 12.0 ft.
15					
20					
25					
30					

Comments: Ground Water Depth Estimated by Soil Sample Saturation
Sampling w/ 2" Geoprobe Core * laboratory test sample

Boring No.: B-10

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: C-10**

Project Name/Location: Riverside Tech Park Lot 6 Location: Refer to Site Plan

Client: City of Schenectady IDA Elevation: 237.2 ft. +/-

Start Date: 8/9/02

Finish Date: 8/9/02

Contractor: ADT

Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: N/A Casing: _____ Boring: 12.0'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	237.2	C–1 (48 in.)	C10-A *	37 - 75	FILL – gravel in a silty sand matrix, brown, compact, dry brown w/ coal frags (?) below 29"
	233.1		C10-B *	38 - 44	
5		C–2 (40 in.)			FILL – same as above, to 4.1' (caved material ?) SAND- Brown med.Sand, tr. silt, damp, 4.1' to 5.5' GLACIAL TILL - Gray/brown till, sand & gravel w/silt below 5.5'
		C–3 (44 in.)	C-10-8	0.3	GLACIAL TILL - Gray till, sand & gravel w/silt, interbedded sand Brn Sandy silt 8' - 9.5', Med gray sand 10' - 10.5' w/ petrol odor Gray silt 10.5' - 12'
10	225.2		C-10-10 *	35 - 65	
					End of GeoProbe at 12.0 ft.
15					
20					
25					
30					

Comments: Sampling w/ 2" Geoprobe Core * laboratory test sample

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: HC–7**

Project Name/Location: Riverside Tech Park Lot 6 Location: Refer to Site Plan

Client: City of Schenectady IDA Elevation: 235.3 ft. +/-

Start Date: 8/9/02

Finish Date: 8/9/02

Contractor: ADT

Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: 11.5' Casing: _____ Boring: 20.0'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	235.3	C–1 (40 in.)	S-2	2.9 - 3.6	FILL – gravel in a silty sand matrix, brown, compact, dry, cobble in core nose. (Samples 18" - 24" and 30" - 36")
	221.5		S-3	34 - 75	
			S-4	54 - 61	
5		C–2 (42 in.)	S-6	1.4 - 3.4	FILL – same as above, top 3" (caved material from above) SAND- 3" to 12" , cobble 12" to 15" GLACIAL TILL -15" to 42", brown/gray, siltly sand & gravel w/silt
			S-8	21 - 23	
		C–3 (44 in.)	S-10 *	88 - 104	GLACIAL TILL - brown/gray, silty sand & gravel w/silt, interbedded w/ coarse sand layers. Bottom 6" saturated
10					
			S-13	5.8 - 6.7	SAND- gray/brown fine-med. sand, w/layers gray silt silt sand bottom 6"
15		C–4 (44 in.)	S-16	6.3 - 10.7	Core overpushed from 16 to 20 feet. (Driller error)
	215.3				
20					End of GeoProbe at 20.0 ft. No Water Sample Taken
25					
30					

Comments: Ground Water Depth Estimated by Soil Sample Saturation
Sampling w/ 2" Geoprobe Core * laboratory test sample

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1

Boring No.: HC–8

Project Name/Location: Riverside Tech Park Lot 6

Client: City of Schenectady IDA

Location: Refer to Site Plan
Elevation: 237.9 ft. +/-
Start Date: 8/9/02
Finish Date: 8/9/02
Contractor: ADT
Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: 12.0' Casing: _____ Boring: 20.0'
Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	237.9	C–1 (27 in.)	S-2	45 - 52	FILL – gravel in a silty sand matrix, brown, compact, dry, (Sample 18" - 24")
5	231.9	C–2 (33 in.)	S-5 S-6	2.5 - 4.0 68 - 75	FILL – same as above, to 6.0' SAND - Brown sand w/ some silt below 6'. Slight petroleum odor
10		C–3 (40 in.)	S-9 S-11	21 - 33 5 - 18	SAND - Brown fine sand & silt, w/layers brown silt, damp Cobble in core nose.
15	221.9	C–4 (24 in.)	S-13 *	285 - 550	GRAVEL - Gray coarse gravel w/ sand, saturated
20	217.9	C–5 (36 in.) Water Sample	S-17	152 - 305	GRAVEL - Gray coarse gravel w/ coarse sand, saturated Traces free petroleum noted, strong odor
25					End of GeoProbe at 20.0 ft. Water Sample Screened Interval 16.0 to 20.0 ft.
30					

Comments: Ground Water Depth Estimated by Soil Sample Saturation
Sampling w/ 2" Geoprobe Core * laboratory test sample

TEST BORING LOG

Project No.: 158.03 Sheet 1 of 1 **Boring No.: HC–9**

Project Name/Location: Riverside Tech Park Lot 6 Location: Refer to Site Plan

Client: City of Schenectady IDA Elevation: 239.5 ft. +/-

Start Date: 8/9/02

Finish Date: 8/9/02

Contractor: ADT

Logged By: J. Holt

Ground Water Data

Date: 8/9/02 Depth: N/A Casing: _____ Boring: 14.5'

Date: _____ Depth: _____ Casing: _____ Boring: _____

Depth (feet)	Elev. (feet)	Core No. (Recovery)	Sample No.	PID (ppm)	Description
0	239.5	C–1 (39 in.)			FILL – gravel in a silty sand matrix, brown, compact, dry,
	235.5		S-3	8 - 13	
5		C–2 (34 in.)	S-6	2.6 - 2.8	SAND- Brown, medium sand, dry, 4' to 5' GLACIAL TILL - Gray coarse gravel in silty sand matrix, dry, below 5'
10		C–3 (32 in.)	S-10	0.0 - 0.2	GLACIAL TILL - Gray coarse gravel in silty sand matrix, dry
	225.0	C–4 (27 in.)	S-12 *	16 - 19	GLACIAL TILL - Gray coarse gravel in silty sand matrix, moist Slight petroleum odor
15					End of GeoProbe - Refusal at 14.5 ft. No Water Sample Taken
20					
25					
30					

Comments: Sampling w/ 2" Geoprobe Core * laboratory test sample

APPENDIX 4

WESTERN FILL TEST PIT SOIL TESTING LAB RESULTS
PHASE III GEOPROBE FILL SOIL TESTING LAB RESULTS

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27351 SAMPLE ID- FS-1A
DATE SAMPLED- 06/29/00 TIME SAMPLED- 0855 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	230	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	89.8	%

LABORATORY DIRECTOR _____

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.568.7400 Fax: 201.567.3231

NYSDOH Certification No. 10624

☑ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27352 SAMPLE ID- FS-1B
DATE SAMPLED- 06/29/00 TIME SAMPLED- 0855 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	270	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	87.8	%

LABORATORY DIRECTOR

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CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27353 SAMPLE ID- FS-2A
DATE SAMPLED- 06/29/00 TIME SAMPLED- 0925 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	230	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	86.3	%

LABORATORY DIRECTOR

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CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27354 SAMPLE ID- FS-2B
DATE SAMPLED- 06/29/00 TIME SAMPLED- 0925 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	2700	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	88.5	%

LABORATORY DIRECTOR _____

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CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27355 SAMPLE ID- FS-3A
DATE SAMPLED- 06/29/00 TIME SAMPLED- 0955 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	610	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	88.8	%

LABORATORY DIRECTOR

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NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27356 SAMPLE ID- FS-3B
DATE SAMPLED- 06/29/00 TIME SAMPLED- 0955 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	<33	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	86.2	%

LABORATORY DIRECTOR _____

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NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27357 SAMPLE ID- FS-4A
DATE SAMPLED- 06/29/00 TIME SAMPLED- 1020 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	4400	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	92.7	%

LABORATORY DIRECTOR

☐ 110 Route 4
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Phone: 201.568.7400 Fax: 201.567.3231

NYSDOH Certification No. 10624

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Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27358 SAMPLE ID- FS-4B
DATE SAMPLED- 06/29/00 TIME SAMPLED- 1020 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	<33	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	85.8	%

LABORATORY DIRECTOR

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CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27359 SAMPLE ID- FS-5A
DATE SAMPLED- 06/29/00 TIME SAMPLED- 1035 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	96	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	88.1	%

LABORATORY DIRECTOR _____

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CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27360 SAMPLE ID- FS-5B
DATE SAMPLED- 06/29/00 TIME SAMPLED- 1035 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	<33	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	87.8	%

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CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27361 SAMPLE ID- FS-6A
DATE SAMPLED- 06/29/00 TIME SAMPLED- 1120 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	10000	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	93.2	%

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NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 07/09/00

PROJECT # L9123 ASP

SAMPLE NUMBER- 27362 SAMPLE ID- FS-6B
DATE SAMPLED- 06/29/00 TIME SAMPLED- 1120 SAMPLER- CLIENT
DATE RECEIVED- 06/30/00 TIME RECEIVED- 1030
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	07/07/00		JAA	<33	mg/kg
SOLIDS, PERCENT	EPA 160.3	06/30/00		NP	83.4	%

LABORATORY DIRECTOR

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NYSDOH Certification No. 11376
NJDEP Certification No. 12013

Chemtech., 205 Campus Plaza1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

GC Volatiles
DETECTOR: PID

Tabulated Analytical Report
SW846 8021 Star List

PROJECT: RIVERSIDE PARK
SAMPLE ID: FS-7A
LAB ID: 31319 5GM UG/KG
FILENAME: C:\TC4\DATA2\S080705.RAW
LAB PROJECT: L9606ASP

MATRIX: SOIL
DATE ANALYZED: 8/7/00
ANALYST: SR
DILUTION 1

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.1
108-88-3	TOLUENE	U		1.1
100-41-4	ETHYLBENZENE	U		1.1
	M&P XYLENES	U		2.3
95-47-6	O-XYLENE	U		1.1
98-82-8	ISOPROPYLBENZENE	U		1.1
103-65-1	n-PROPYLBENZENE	U		1.1
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.3
98-06-6	TERT-BUTYLBENZENE	U		1.1
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.1
135-98-8	SEC-BUTYLBENZENE	U		1.1
99-87-6	ISOPROPYLTOLUENE	U		1.1
104-51-8	n-BUTYLBENZENE	U		1.1
91-20-3	NAPHTHALENE	U		1.1
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.1

% SOLIDS 88%

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31319

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080615.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	950	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31319

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080615.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	Bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FS-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31319

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080615.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 11 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.22	1100	B
2. 630-06-8	Hexatriacontane	23.41	640	J
3. 544-85-4	Dotriacontane	24.00	480	J
4. 629-92-5	Nonadecane	24.58	620	J
5. 112-95-8	Eicosane	25.15	680	J
6.	Unknown	25.79	830	J
7.	Unknown	26.51	800	J
8. 630-07-9	Pentatriacontane	27.35	730	J
9. 7098-21-7	Tritetracontane	28.34	560	J
10.	Unknown	29.49	490	J
11. 14167-59-0	Tetratriacontane	30.88	490	J
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Chemtech., 205 Campus Plaza1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

GC Volatiles
DETECTOR: PID

Tabulated Analytical Report
SW846 8021 Star List

PROJECT: RIVERSIDE PARK
SAMPLE ID: FS-8A
LAB ID: 31320 5GM UG/KG
FILENAME: C:\TC4\DATA2\S080706.RAW
LAB PROJECT: L9606ASP

MATRIX: SOIL
DATE ANALYZED: 8/7/00
ANALYST: SR
DILUTION 1

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.1
108-88-3	TOLUENE	U		1.1
100-41-4	ETHYLBENZENE	U		1.1
	M&P XYLENES	U		2.2
95-47-6	O-XYLENE	U		1.1
98-82-8	ISOPROPYLBENZENE	U		1.1
103-65-1	n-PROPYLBENZENE	U		1.1
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.2
98-06-6	TERT-BUTYLBENZENE	U		1.1
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.1
135-98-8	SEC-BUTYLBENZENE	U		1.1
99-87-6	ISOPROPYLTOLUENE	U		1.1
104-51-8	n-BUTYLBENZENE	U		1.1
91-20-3	NAPHTHALENE	U		1.1
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.1

% SOLIDS 91%

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-8A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31320

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080614.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 9 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	920	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	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	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-8A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31320

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080614.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 9 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	74	J
117-81-7	Bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FS-8A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31320

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080614.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 9 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 21 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.22	1000	B
2. 57-10-3	Hexadecanoic acid	17.48	220	J
3.	Unknown	20.53	200	J
4.	Unknown	20.97	220	J
5.	Unknown	21.36	380	J
6.	Unknown	22.13	260	J
7. 3351-32-4	2-Methylchrysene	22.41	250	J
8.	Unknown	22.78	250	J
9. 5055-74-3	1,5-Diphenyl-2H-1,2,4-triazo	22.98	220	J
10.	Unknown	23.43	990	J
11.	Unknown	23.81	1200	J
12.	Unknown	24.00	420	J
13.	Unknown	24.26	630	J
14.	Unknown	24.50	620	J
15.	Unknown	24.64	840	J
16. 635-11-0	Benzene, 1,2,4,5-tetrakis(1-	24.86	210	J
17.	Unknown	25.11	210	J
18.	Unknown	25.21	390	J
19.	Unknown	25.31	1800	J
20.	Unknown	25.87	720	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-9A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31321

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3291.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 10 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	5.6	U
75-15-0	Carbon Disulfide	5.6	U
75-09-2	Methylene Chloride	2.2	JB
108-0504	Vinyl Acetate	28	U
540-59-0	1,2-Dichloroethene Total	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
78-93-3	2-Butanone	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	5.6	U
108-88-3	Toluene	5.6	U
10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
110-75-8	2-Chloroethyl Vinyl ether	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	5.6	U
124-48-1	Dibromochloromethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
1330-20-7	Total Xylenes	5.6	U
95-47-6	o-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-9A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31321

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3291.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 10 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
541-Z3-1	1,3-Dichlorobenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U

1E

SAMPLE NO.

FS-9A

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31321

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3291.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 10 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	55	J
2.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-9A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31321

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080613.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 10 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	930	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FS-9A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31321

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080613.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 10 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	39	J
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	39	J
206-44-0	Fluoranthene	63	J
129-00-0	Pyrene	47	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	39	J
218-01-9	Chrysene	40	J
117-81-7	Bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	44	J
50-32-8	Benzo(a)pyrene	59	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	56	J

1F

SAMPLE NO.

FS-9A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31321

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080613.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.22	1000	B
2. 593-45-3	Octadecane	23.43	790	J
3. 629-94-7	Heneicosane	24.02	430	J
4. 638-68-6	Triacontane	24.59	620	J
5. 630-02-4	Octacosane	25.16	640	J
6. 544-85-4	Dotriacontane	25.81	980	J
7.	Unknown	26.54	600	J
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CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**FS-9A**	**Date Extracted:**	**8/3/00**
Lab ID:	**31321/L9606ASP**	**Batch:**	**QP 300**
Filename:	**PC2111.D**	**Date Analyzed:**	**8/7/00**
Lab Project No:	**L9606ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		19
11104-28-2	AROCLOR 1221	U		19
11141-16-5	AROCLOR 1232	U		19
53469-21-9	AROCLOR 1242	U		19
12672-29-6	AROCLOR 1248	U		19
11097-69-1	AROCLOR 1254	U		19
11096-82-5	AROCLOR 1260	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **90%**

8/8/11

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CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
Client ID: FS-9A
Lab ID: 31321/L9606ASP
Filename: PS5062.D
Lab Project No: L9606ASP

MATRIX: SOIL
Date extracted: 8/3/00
Batch: QP 299
Date Analyzed: 8/8/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.7
58-89-9	gamma-BHC (Lindane)	U	U		0.7
76-44-8	Heptachlor	U	U		0.7
309-00-2	Aldrin	U	U		0.7
319-85-7	beta-BHC	U	U		0.7
319-86-8	delta-BHC	U	U		0.7
1024-57-3	Heptachlor epoxide	U	U		0.7
959-98-8	Endosulfan I	U	U		0.7
5103-71-9	gamma-Chlordane	U	U		0.7
5103-74-2	alpha-Chlordane	U	U		0.7
72-55-9	4,4'-DDE	U	U		0.7
60-57-1	Dieldrin	U	U		0.7
72-20-8	Endrin	U	U		0.7
33213-65-9	Endosulfan II	U	U		0.7
72-54-8	4,4'-DDD	U	U		0.7
50-29-3	4,4'-DDT	U	U		0.7
7421-93-4	Endrin aldehyde	U	U		0.7
1031-07-8	Endosulfan Sulfate	U	U		0.7
72-43-5	Methoxychlor	U	U		0.7
53494-70-5	Endrin ketone	U	U		0.7
57-74-9	Chlordane	U	U		19
8001-35-2	Toxaphene	U	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 90%

8/8/11

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FS-9A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): SOIL Lab Sample ID: 31321S

Level (low/med): LOW Date Received: 08/02/00

% Solids: 90.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6840			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	57.7			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	0.82	B		P
7440-70-2	Calcium	14000			P
7440-47-3	Chromium	14.8			P
7440-48-4	Cobalt	8.3	B		P
7440-50-8	Copper	34.7			P
7439-89-6	Iron	17400			P
7439-92-1	Lead	34.0			P
7439-95-4	Magnesium	7520			P
7439-96-5	Manganese	317			P
7439-97-6	Mercury	0.26		N	CV
7440-02-0	Nickel	17.9			P
7440-09-7	Potassium	886	B	E	P
7782-49-2	Selenium	0.47	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	163	B		P
7440-28-0	Thallium	1.9	B		P
7440-62-2	Vanadium	16.9			P
7440-66-6	Zinc	91.1			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/14/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31321 SAMPLE ID- FS-9A
DATE SAMPLED- 08/01/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	85	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	450	mg/kg
NITRATE	353.2	08/07/00		PHM	<5.6	mg/kg
SULFATE	375.4	08/08/00		JKV	200	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/03/00		KH	90.0	%
CYANIDE	335.2	08/09/00		SA	<0.56	mg/kg

LABORATORY DIRECTOR RB

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.568.7400 Fax: 201.567.3231

NYSDOH Certification No. 10624

☑ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH PARK

HOLT CONSULTING
620 WASHINGTON AVE.
RENSSELAER, NY 12144
5184329021

CHEMTECH PROJECT NO. **P3703**
ATTENTION: **Jeff Holt**

Tabulated Analytical Report
SW846 8021 Star List

CLIENT: HOLT CONSULTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: FS-4A
LAB ID: P3703-01
FILENAME: E:\DATA1\V081603.RAW
BATCH: LB21872

MATRIX: SOIL
DATE ANALYZED 8/16/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.1
108-88-3	TOLUENE	U		1.1
100-41-4	ETHYLBENZENE	U		1.1
136777-61-2	M&P XYLENES	U		2.2
95-47-6	O-XYLENE	U		1.1
98-82-8	ISOPROPYLBENZENE	U		1.1
103-65-1	n-PROPYLBENZENE	U		1.1
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.2
98-06-6	TERT-BUTYLBENZENE	U		1.1
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.1
135-98-8	SEC-BUTYLBENZENE	U		1.1
99-87-6	ISOPROPYLTOLUENE	U		1.1
104-51-8	n-BUTYLBENZENE	U		1.1
91-20-3	NAPHTHALENE	U		1.1
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.1

% SOLIDS **89%**

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
SW846 8021 Star List

CLIENT: HOLT CONSULTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: FS-4B
LAB ID: P3703-02
FILENAME: E:\DATA1\V081505.RAW
BATCH: LB21872

MATRIX: SOIL
DATE ANALYZED 8/15/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.2
108-88-3	TOLUENE	U		1.2
100-41-4	ETHYLBENZENE	U		1.2
136777-61-2	M&P XYLENES	U		2.4
95-47-6	O-XYLENE	U		1.2
98-82-8	ISOPROPYLBENZENE	U		1.2
103-65-1	n-PROPYLBENZENE	U		1.2
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.4
98-06-6	TERT-BUTYLBENZENE	U		1.2
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.2
135-98-8	SEC-BUTYLBENZENE	U		1.2
99-87-6	ISOPROPYLTOLUENE	U		1.2
104-51-8	n-BUTYLBENZENE	U		1.2
91-20-3	NAPHTHALENE	U		1.2
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.2

% SOLIDS **84%**

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Chemtech

GC Volatiles
DETECTOR: PID

Tabulated Analytical Report
SW846 8021 Star List

CLIENT: HOLT CONSULTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: FS-6A
LAB ID: P3703-03
FILENAME: E:\DATA1\V081506.RAW
BATCH: LB21872

MATRIX: SOIL
DATE ANALYZED 8/15/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.0
108-88-3	TOLUENE	U		1.0
100-41-4	ETHYLBENZENE	U		1.0
136777-61-2	M&P XYLENES	U		2.1
95-47-6	O-XYLENE	U		1.0
98-82-8	ISOPROPYLBENZENE	U		1.0
103-65-1	n-PROPYLBENZENE	U		1.0
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.1
98-06-6	TERT-BUTYLBENZENE	U		1.0
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.0
135-98-8	SEC-BUTYLBENZENE	U		1.0
99-87-6	ISOPROPYLTOLUENE	U		1.0
104-51-8	n-BUTYLBENZENE	U		1.0
91-20-3	NAPHTHALENE	U		1.0
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.0

% SOLIDS 97%

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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ulated Analytical Report
SW846 8021 Star List

CLIENT: HOLT CONSULTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: FS-6B
LAB ID: P3703-04
FILENAME: E:\DATA1\V081507.RAW
BATCH: LB21872

MATRIX: SOIL
DATE ANALYZED 8/15/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.0
108-88-3	TOLUENE	U		1.0
100-41-4	ETHYLBENZENE	U		1.0
136777-61-2	M&P XYLENES	U		2.1
95-47-6	O-XYLENE	U		1.0
98-82-8	ISOPROPYLBENZENE	U		1.0
103-65-1	n-PROPYLBENZENE	U		1.0
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.1
98-06-6	TERT-BUTYLBENZENE	U		1.0
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.0
135-98-8	SEC-BUTYLBENZENE	U		1.0
99-87-6	ISOPROPYLTOLUENE	U		1.0
104-51-8	n-BUTYLBENZENE	U		1.0
91-20-3	NAPHTHALENE	U		1.0
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.0

% SOLIDS **97%**

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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ulated **Analytical Report**
SW846 **8021 Star List**

CLIENT: HOLT CONS LTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: B10-B
LAB ID: P3703-05
FILENAME: E:\DATA1\V031508.RAW
BATCH: LB21872

MATRIX: SOIL
DATE ANALYZED 8/15/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.1
108-88-3	TOLUENE	U		1.1
100-41-4	ETHYLBENZENE	U		1.1
136777-61-2	M&P XYLENES	U		2.2
95-47-6	O-XYLENE	U		1.1
98-82-8	ISOPROPYLBENZENE	U		1.1
103-65-1	n-PROPYLBENZENE	U		1.1
108-67-8	1,3,5-TRIMETHYLBENZ	U		2.2
98-06-6	TERT-BUTYLBENZENE	U		1.1
95-63-6	1,2,4-TRIMETHYLBENZ	U		1.1
135-98-8	SEC-BUTYLBENZENE	U		1.1
99-87-6	ISOPROPYLTOLUENE	U		1.1
104-51-8	n-BUTYLBENZENE	U		1.1
91-20-3	NAPHTHALENE	U		1.1
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.1

% SOLIDS **92%**

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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ulated Analytical Report
SW846 8021 Star List

CLIENT: HOLT CONSULTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: C10-A
LAB ID: P3703-06
FILENAME: E:\DATA1\V081509.RAW
BATCH: LB21872

MATRIX: SOIL
DATE ANALYZED 8/15/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.1
108-88-3	TOLUENE	U		1.1
100-41-4	ETHYLBENZENE	U		1.1
136777-61-2	M&P XYLENES	U		2.2
95-47-6	O-XYLENE	U		1.1
98-82-8	ISOPROPYLBENZENE	U		1.1
103-65-1	n-PROPYLBENZENE	U		1.1
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.2
98-06-6	TERT-BUTYLBENZENE	U		1.1
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.1
135-98-8	SEC-BUTYLBENZENE	U		1.1
99-87-6	ISOPROPYLTOLUENE	U		1.1
104-51-8	n-BUTYLBENZENE	U		1.1
91-20-3	NAPHTHALENE	U		1.1
1634-04-4	METHYL TERT BUTYL ETHER (MTBE)	U		1.1

% SOLIDS **90%**

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
SW846 8021 Star List

CLIENT: HOLT CONSULTING
PROJECT: RIVERSIDE TECH PARK
SAMPLE ID: C10-B
LAB ID: P3703 07
FILENAME: E:\DATA1\V[illegible]1510.RAW
BATCH: LB218[illegible]2

MATRIX: SOIL
DATE ANALYZED 8/15/02
ANALYST: PHM
DILUTION 1
LAB PROJECT: P3703

CAS #	COMPOUND	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
71-43-2	BENZENE	U		1.1
108-88-3	TOLUENE	U		1.1
100-41-4	ETHYLBENZENE	U		1.1
136777-61-2	M&P XYLENES	U		2.3
95-47-6	O-XYLENE	U		1.1
98-82-8	ISOPROPYLBENZENE	U		1.1
103-65-1	n-PROPYLBENZENE	U		1.1
108-67-8	1,3,5-TRIMETHYLBENZENE	U		2.3
98-06-6	TERT-BUTYLBENZENE	U		1.1
95-63-6	1,2,4-TRIMETHYLBENZENE	U		1.1
135-98-8	SEC-BUTYLBENZENE	U		1.1
99-87-6	ISOPROPYLTOLUENE	U		1.1
104-51-8	n-BUTYLBENZENE	U		1.1
91-20-3	NAPHTHALENE	U		1.1
1634-04-4	METHYL TERT-BUTYL ETHER (MTBE)	U		1.1

% SOLIDS **88%**

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-01	Client ID:	FS-4A
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/21/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001886.D
Dilution:	1	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.2	Extract Vol:	1000
Injection Vol:	2	% Moisture:	11
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 44	U	370	44	ug/Kg
Acenaphthene	< 44	U	370	44	ug/Kg
Fluorene	< 41	U	370	41	ug/Kg
Phenanthrene	< 37	U	370	37	ug/Kg
Anthracene	< 48	U	370	48	ug/Kg
Fluoranthene	69	J	370	37	ug/Kg
[illegible]	100	J	370	37	ug/Kg
[illegible](a)anthracene	< 37	U	370	37	ug/Kg
Chrysene	< 59	U	370	59	ug/Kg
Benzo(b)fluoranthene	< 37	U	370	37	ug/Kg
Benzo(k)fluoranthene	< 48	U	370	48	ug/Kg
Benzo(a)pyrene	< 55	U	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	< 59	U	370	59	ug/Kg
Dibenz(a,h)anthracene	< 56	U	370	56	ug/Kg
Benzo(g,h,i)perylene	< 48	U	370	48	ug/Kg
SURROGATES					
Nitrobenzene-d5	158.34	79 %	23 - 120		SPK: 200
2-Fluorobiphenyl	176.27	88 %	30 - 115		SPK: 200
Terphenyl-d14	332.42	166 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	37701	5.54			
Naphthalene-d8	110896	7.98			
Acenaphthene-d10	77516	11.67			
Phenanthrene-d10	104253	14.84			
Chrysene-d12	61269	20.64			
Perylene-d12	53089	23.57			
[illegible]TIVE IDENTIFIED COMPOUNDS					
TCP	5100	A	3.30		ug/Kg
Hexanoic acid	740	J	5.59		ug/Kg
Hexadecanoic acid	370	J	16.37		ug/Kg

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-01	Client ID:	FS-4A
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/21/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001886.D
Dilution:	1	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.2	Extract Vol:	1000
Injection Vol:	2	% Moisture:	11
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-01RE	**Client ID:**	FS-4ARE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/23/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001925.D
Dilution:	1	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:	PB081602-19B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 44	U	370	44	ug/Kg
Acenaphthene	< 44	U	370	44	ug/Kg
Fluorene	< 41	U	370	41	ug/Kg
Phenanthrene	< 37	U	370	37	ug/Kg
Anthracene	< 48	U	370	48	ug/Kg
Fluoranthene	61	J	370	37	ug/Kg
[illegible]e	110	J	370	37	ug/Kg
Benzo(a)anthracene	< 37	U	370	37	ug/Kg
Chrysene	< 59	U	370	59	ug/Kg
Benzo(b)fluoranthene	39	J	370	37	ug/Kg
Benzo(k)fluoranthene	60	J	370	48	ug/Kg
Benzo(a)pyrene	< 55	U	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	< 59	U	370	59	ug/Kg
Dibenz(a,h)anthracene	< 56	U	370	56	ug/Kg
Benzo(g,h,i)perylene	< 48	U	370	48	ug/Kg
SURROGATES					
Nitrobenzene-d5	154.02	77 %	23 - 120		SPK: 200
2-Fluorobiphenyl	184.08	92 %	30 - 115		SPK: 200
Terphenyl-d14	441.43	221 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	34903	5.49			
Naphthalene-d8	103469	7.93			
Acenaphthene-d10	68871	11.63			
Phenanthrene-d10	90140	14.79			
Chrysene-d12	39287	20.57			
Perylene-d12	15270	23.53			

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-02	Client ID:	FS-4B
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/21/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001885.D
Dilution:	1	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.3	Extract Vol:	1000
Injection Vol:	2	% Moisture:	16
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 46	U	390	46	ug/Kg
Acenaphthene	< 46	U	390	46	ug/Kg
Fluorene	< 43	U	390	43	ug/Kg
Phenanthrene	< 39	U	390	39	ug/Kg
Anthracene	< 51	U	390	51	ug/Kg
Fluoranthene	< 39	U	390	39	ug/Kg
Pyrene	39	J	390	39	ug/Kg
Benzo(a)anthracene	< 39	U	390	39	ug/Kg
Chrysene	< 62	U	390	62	ug/Kg
Benzo(b)fluoranthene	< 39	U	390	39	ug/Kg
Benzo(k)fluoranthene	< 51	U	390	51	ug/Kg
Benzo(a)pyrene	< 58	U	390	58	ug/Kg
Indeno(1,2,3-cd)pyrene	< 62	U	390	62	ug/Kg
Dibenz(a,h)anthracene	< 59	U	390	59	ug/Kg
Benzo(g,h,i)perylene	< 51	U	390	51	ug/Kg
SURROGATES					
Nitrobenzene-d5	171.31	86 %	23 - 120		SPK: 200
2-Fluorobiphenyl	185	93 %	30 - 115		SPK: 200
Terphenyl-d14	379.47	190 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	35767	5.54			
Naphthalene-d8	104012	7.98			
Acenaphthene-d10	74179	11.68			
Phenanthrene-d10	103212	14.85			
Chrysene-d12	55697	20.64			
Perylene-d12	48977	23.58			
TENTITIVE IDENTIFIED COMPOUNDS					
TCP	7200	A	3.31		ug/Kg

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-02RE	**Client ID:**	FS-4BRE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001909.D
Dilution:	1	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	16
Associated Blank:	PB081602-19B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 46	U	390	46	ug/Kg
Acenaphthene	< 46	U	390	46	ug/Kg
Fluorene	< 43	U	390	43	ug/Kg
Phenanthrene	< 39	U	390	39	ug/Kg
Anthracene	< 51	U	390	51	ug/Kg
Fluoranthene	< 39	U	390	39	ug/Kg
[illegible]e	< 39	U	390	39	ug/Kg
[illegible]o(a)anthracene	< 39	U	390	39	ug/Kg
Chrysene	< 62	U	390	62	ug/Kg
Benzo(b)fluoranthene	< 39	U	390	39	ug/Kg
Benzo(k)fluoranthene	< 51	U	390	51	ug/Kg
Benzo(a)pyrene	< 58	U	390	58	ug/Kg
Indeno(1,2,3-cd)pyrene	< 62	U	390	62	ug/Kg
Dibenz(a,h)anthracene	< 59	U	390	59	ug/Kg
Benzo(g,h,i)perylene	< 51	U	390	51	ug/Kg
SURROGATES					
Nitrobenzene-d5	170.63	85 %	23 - 120		SPK: 200
2-Fluorobiphenyl	197.33	99 %	30 - 115		SPK: 200
Terphenyl-d14	395.03	198 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	32778	5.53			
Naphthalene-d8	97196	7.96			
Acenaphthene-d10	67012	11.66			
Phenanthrene-d10	93620	14.82			
Chrysene-d12	50373	20.61			
Perylene-d12	43676	23.54			

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID: P3703-03 Client ID: FS-6A

Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001891.D
Dilution:	10	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.1	Extract Vol:	1000
Injection Vol:	2	% Moisture:	3
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 400	U	3400	400	ug/Kg
Acenaphthene	< 400	U	3400	400	ug/Kg
Fluorene	< 370	U	3400	370	ug/Kg
Phenanthrene	< 340	U	3400	340	ug/Kg
Anthracene	< 440	U	3400	440	ug/Kg
Fluoranthene	< 340	U	3400	340	ug/Kg
Pyrene	< 340	U	3400	340	ug/Kg
Benzo(a)anthracene	< 340	U	3400	340	ug/Kg
Chrysene	< 540	U	3400	540	ug/Kg
Benzo(b)fluoranthene	< 340	U	3400	340	ug/Kg
Benzo(k)fluoranthene	< 440	U	3400	440	ug/Kg
Benzo(a)pyrene	< 510	U	3400	510	ug/Kg
Indeno(1,2,3-cd)pyrene	< 540	U	3400	540	ug/Kg
Dibenz(a,h)anthracene	< 510	U	3400	510	ug/Kg
Benzo(g,h,i)perylene	< 440	U	3400	440	ug/Kg
SURROGATES					
Nitrobenzene-d5	9.71	49 %	23 - 120		SPK: 200
2-Fluorobiphenyl	10.14	51 %	30 - 115		SPK: 200
Terphenyl-d14	17.13	86 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	41682	5.54			
Naphthalene-d8	126598	7.97			
Acenaphthene-d10	90043	11.67			
Phenanthrene-d10	125323	14.84			
Chrysene-d12	58213	20.64			
Perylene-d12	24765	23.60			
TENTITIVE IDENTIFIED COMPOUNDS					
TCP	22000	A	3.19		ug/Kg
Unknown	1500	J	21.72		ug/Kg
Unknown	810	J	22.39		ug/Kg

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-03	Client ID:	FS-6A
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001891.D
Dilution:	10	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.1	Extract Vol:	1000
Injection Vol:	2	% Moisture:	3
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Unknown	950	J	22.40		ug/Kg
Unknown	790	J	23.04		ug/Kg
Unknown	940	J	23.07		ug/Kg
Unknown	1200	J	23.08		ug/Kg
Unknown	830	J	24.25		ug/Kg
Unknown	800	J	24.27		ug/Kg
Unknown	940	J	24.30		ug/Kg
Unknown	1100	J	24.31		ug/Kg
Unknown	830	J	24.81		ug/Kg
Unknown	1500	J	24.82		ug/Kg
Unknown	1700	J	24.83		ug/Kg
Unknown	1100	J	24.84		ug/Kg
Unknown	990	J	25.45		ug/Kg
Unknown	1000	J	25.46		ug/Kg

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-03RE	**Client ID:**	FS-6ARE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/23/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001921.D
Dilution:	10	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Wol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	3
Associated Blank:	PB081602-19B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 400	U	3400	400	ug/Kg
Acenaphthene	< 400	U	3400	400	ug/Kg
Fluorene	< 370	U	3400	370	ug/Kg
Phenanthrene	< 340	U	3400	340	ug/Kg
Anthracene	< 440	U	3400	440	ug/Kg
Fluoranthene	< 340	U	3400	340	ug/Kg
Pyrene	< 340	U	3400	340	ug/Kg
Benzo(a)anthracene	< 340	U	3400	340	ug/Kg
Chrysene	< 540	U	3400	540	ug/Kg
Benzo(b)fluoranthene	< 340	U	3400	340	ug/Kg
Benzo(k)fluoranthene	< 440	U	3400	440	ug/Kg
Benzo(a)pyrene	< 510	U	3400	510	ug/Kg
Indeno(1,2,3-cd)pyrene	< 540	U	3400	540	ug/Kg
Dibenz(a,h)anthracene	< 510	U	3400	510	ug/Kg
Benzo(g,h,i)perylene	< 440	U	3400	440	ug/Kg
SURROGATES					
Nitrobenzene-d5	8.89	44 %	23 - 120		SPK: 200
2-Fluorobiphenyl	10.15	51 %	30 - 115		SPK: 200
Terphenyl-d14	14.75	74 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	35260	5.51			
Naphthalene-d8	107960	7.93			
Acenaphthene-d10	75760	11.62			
Phenanthrene-d10	101301	14.79			
Chrysene-d12	53458	20.57			
Perylene-d12	27901	23.52			

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-04	Client ID:	FS-6B
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001890.D
Dilution:	10	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.3	Extract Vol:	1000
Injection Vol:	2	% Moisture:	3
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 400	U	3400	400	ug/Kg
Acenaphthene	< 400	U	3400	400	ug/Kg
Fluorene	< 370	U	3400	370	ug/Kg
Phenanthrene	< 340	U	3400	340	ug/Kg
Anthracene	< 440	U	3400	440	ug/Kg
Fluoranthene	< 340	U	3400	340	ug/Kg
[illegible]	< 340	U	3400	340	ug/Kg
[illegible](a)anthracene	< 340	U	3400	340	ug/Kg
Chrysene	< 540	U	3400	540	ug/Kg
Benzo(b)fluoranthene	< 340	U	3400	340	ug/Kg
Benzo(k)fluoranthene	< 440	U	3400	440	ug/Kg
Benzo(a)pyrene	< 510	U	3400	510	ug/Kg
Indeno(1,2,3-cd)pyrene	< 540	U	3400	540	ug/Kg
Dibenz(a,h)anthracene	< 510	U	3400	510	ug/Kg
Benzo(g,h,i)perylene	< 440	U	3400	440	ug/Kg
SURROGATES					
Nitrobenzene-d5	10.23	51 %	23 - 120		SPK: 200
2-Fluorobiphenyl	7.95	40 %	30 - 115		SPK: 200
Terphenyl-d14	11.65	58 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	42173	5.54			
Naphthalene-d8	127844	7.97			
Acenaphthene-d10	92878	11.68			
Phenanthrene-d10	121729	14.84			
Chrysene-d12	67554	20.64			
Perylene-d12	31932	23.62			
[illegible] TIVE IDENTIFIED COMPOUNDS					
TCP	18000	A	3.19		ug/Kg
Unknown	1900	J	20.91		ug/Kg
Unknown	1200	J	22.47		ug/Kg

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-04	Client ID:	FS-6B
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001890.D
Dilution:	10	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.3	Extract Vol:	1000
Injection Vol:	2	% Moisture:	3
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Jnknown	1300	J	22.93		ug/Kg
Jnknown	1100	J	22.94		ug/Kg
Iexane, 3,3-dimethyl-	1800	J	23.09		ug/Kg
Jnknown	1100	J	23.12		ug/Kg
Jnknown	1400	J	23.33		ug/Kg
Jnknown	1200	J	23.36		ug/Kg
Jnknown	1000	J	23.44		ug/Kg
Jnknown	1800	J	23.53		ug/Kg
Jnknown	2500	J	23.70		ug/Kg
Jnknown	1200	J	24.12		ug/Kg
Jnknown	1100	J	24.14		ug/Kg
Jnknown	1300	J	24.27		ug/Kg
Jnknown	1000	J	24.75		ug/Kg
Jnknown	3900	J	24.83		ug/Kg
Jnknown	1700	J	25.47		ug/Kg
Jnknown	1400	J	25.48		ug/Kg

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-04RE	**Client ID:**	FS-6BRE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/23/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001922.D
Dilution:	10	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	3
Associated Blank:	PB081602-19B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 400	U	3400	400	ug/Kg
Acenaphthene	< 400	U	3400	400	ug/Kg
Fluorene	< 370	U	3400	370	ug/Kg
Phenanthrene	< 340	U	3400	340	ug/Kg
Anthracene	< 440	U	3400	440	ug/Kg
Fluoranthene	< 340	U	3400	340	ug/Kg
[illegible]e	< 340	U	3400	340	ug/Kg
Benzo(a)anthracene	< 340	U	3400	340	ug/Kg
Chrysene	< 540	U	3400	540	ug/Kg
Benzo(b)fluoranthene	< 340	U	3400	340	ug/Kg
Benzo(k)fluoranthene	< 440	U	3400	440	ug/Kg
Benzo(a)pyrene	< 510	U	3400	510	ug/Kg
ndeno(1,2,3-cd)pyrene	< 540	U	3400	540	ug/Kg
Dibenz(a,h)anthracene	< 510	U	3400	510	ug/Kg
Benzo(g,h,i)perylene	< 440	U	3400	440	ug/Kg
SURROGATES					
Nitrobenzene-d5	10.13	51 %	23 - 120		SPK: 200
2-Fluorobiphenyl	7.78	39 %	30 - 115		SPK: 200
Terphenyl-d14	12.47	62 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	35786	5.51			
Naphthalene-d8	110525	7.93			
Acenaphthene-d10	76883	11.62			
Phenanthrene-d10	100346	14.78			
Chrysene-d12	47866	20.58			
Perylene-d12	21171	23.54			

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-05	Client ID:	B10-B
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001889.D
Dilution:	1	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Wol:	30.4	Extract Vol:	1000
Injection Vol:	2	% Moisture:	8
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 42	U	350	42	ug/Kg
Acenaphthene	< 42	U	350	42	ug/Kg
Fluorene	< 39	U	350	39	ug/Kg
Phenanthrene	140	J	350	35	ug/Kg
Anthracene	60	J	350	46	ug/Kg
Fluoranthene	330	J	350	35	ug/Kg
Pyrene	350	J	350	35	ug/Kg
Benzo(a)anthracene	160	J	350	35	ug/Kg
Chrysene	170	J	350	57	ug/Kg
Benzo(b)fluoranthene	94	J	350	35	ug/Kg
Benzo(k)fluoranthene	160	J	350	46	ug/Kg
Benzo(a)pyrene	160	J	350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 57	U	350	57	ug/Kg
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	< 46	U	350	46	ug/Kg
SURROGATES					
Nitrobenzene-d5	161.67	81 %	23 - 120		SPK: 200
2-Fluorobiphenyl	180.49	90 %	30 - 115		SPK: 200
Terphenyl-d14	294.93	147 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	38122	5.54			
Naphthalene-d8	109129	7.98			
Acenaphthene-d10	78283	11.68			
Phenanthrene-d10	105970	14.85			
Chrysene-d12	68740	20.64			
Perylene-d12	44392	23.59			
TENTITIVE IDENTIFIED COMPOUNDS					
TCP	7900	A	3.32		ug/Kg

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-05RE	**Client ID:**	B10-BRE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/23/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001923.D
Dilution:	1	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Wol:	30.4	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	8
Associated Blank:	PB081602-19B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 42	U	350	42	ug/Kg
Acenaphthene	< 42	U	350	42	ug/Kg
Fluorene	< 39	U	350	39	ug/Kg
Phenanthrene	140	J	350	35	ug/Kg
Anthracene	53	J	350	46	ug/Kg
Fluoranthene	310	J	350	35	ug/Kg
[illegible]e	430		350	35	ug/Kg
Benzo(a)anthracene	150	J	350	35	ug/Kg
Chrysene	170	J	350	57	ug/Kg
Benzo(b)fluoranthene	160	J	350	35	ug/Kg
Benzo(k)fluoranthene	160	J	350	46	ug/Kg
Benzo(a)pyrene	160	J	350	53	ug/Kg
Indeno(1,2,3-cd)pyrene	< 57	U	350	57	ug/Kg
Dibenz(a,h)anthracene	< 53	U	350	53	ug/Kg
Benzo(g,h,i)perylene	< 46	U	350	46	ug/Kg
SURROGATES					
Nitrobenzene-d5	155.78	78 %	23 - 120		SPK: 200
2-Fluorobiphenyl	183.15	92 %	30 - 115		SPK: 200
Terphenyl-d14	394.56	197 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	33900	5.50			
Naphthalene-d8	99376	7.93			
Acenaphthene-d10	68211	11.62			
Phenanthrene-d10	88057	14.79			
Chrysene-d12	42136	20.58			
Perylene-d12	15167	23.53			

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-06	Client ID:	C10-A
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/21/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001888.D
Dilution:	1	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.1	Extract Vol:	1000
Injection Vol:	2	% Moisture:	10
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	76	J	370	43	ug/Kg
Acenaphthene	76	J	370	43	ug/Kg
Fluorene	220	J	370	40	ug/Kg
Phenanthrene	3000	E	370	37	ug/Kg
Anthracene	740		370	48	ug/Kg
Fluoranthene	4600	E	370	37	ug/Kg
Pyrene	3500	E	370	37	ug/Kg
Benzo(a)anthracene	1500		370	37	ug/Kg
Chrysene	1300		370	58	ug/Kg
Benzo(b)fluoranthene	640		370	37	ug/Kg
Benzo(k)fluoranthene	1300		370	48	ug/Kg
Benzo(a)pyrene	1100		370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	190	J	370	58	ug/Kg
Dibenz(a,h)anthracene	< 55	U	370	55	ug/Kg
Benzo(g,h,i)perylene	260	J	370	48	ug/Kg
SURROGATES					
Nitrobenzene-d5	186.47	93 %	23 - 120		SPK: 200
2-Fluorobiphenyl	197.3	99 %	30 - 115		SPK: 200
Terphenyl-d14	252.19	126 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	37951	5.54			
Naphthalene-d8	112632	7.97			
Acenaphthene-d10	85136	11.67			
Phenanthrene-d10	127654	14.84			
Chrysene-d12	99939	20.64			
Perylene-d12	56651	23.60			

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SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-06DL	**Client ID:**	C10-A
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/23/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001920.D
Dilution:	5	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	BD082202
Sample Wt/Vol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	10
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 220	U	1800	220	ug/Kg
Acenaphthene	< 220	U	1800	220	ug/Kg
Fluorene	210	D	1800	200	ug/Kg
Phenanthrene	1900	D	1800	180	ug/Kg
Anthracene	680	D	1800	240	ug/Kg
Fluoranthene	2400	D	1800	180	ug/Kg
Pyrene	2300	D	1800	180	ug/Kg
Benzo(a)anthracene	1100	D	1800	180	ug/Kg
Chrysene	960	D	1800	290	ug/Kg
Benzo(b)fluoranthene	590	D	1800	180	ug/Kg
Benzo(k)fluoranthene	800	D	1800	480	ug/Kg
Benzo(a)pyrene	880	D	1800	270	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg
Dibenz(a,h)anthracene	< 280	U	1800	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1800	240	ug/Kg
SURROGATES					
Nitrobenzene-d5	31.26	78 %	23 - 120		SPK: 200
2-Fluorobiphenyl	26.12	65 %	30 - 116		SPK: 200
Terphenyl-d14	37.64	94 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	33653	5.51			
Naphthalene-d8	101248	7.93			
Acenaphthene-d10	68311	11.62			
Phenanthrene-d10	92634	14.79			
Chrysene-d12	57645	20.57			
Perylene-d12	37925	23.50			

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-07	Client ID:	C10-B
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/21/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BD001887.D
Dilution:	1	Instrument ID:	5971D
Analytical Method:	8270	Analytical Run ID:	BD082102
Sample Wt/Vol:	30.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	12
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 44	U	380	44	ug/Kg
Acenaphthene	< 44	U	380	44	ug/Kg
Fluorene	< 41	U	380	41	ug/Kg
Phenanthrene	82	J	380	38	ug/Kg
Anthracene	< 49	U	380	49	ug/Kg
Fluoranthene	150	J	380	38	ug/Kg
Pyrene	160	J	380	38	ug/Kg
Benzo(a)anthracene	75	J	380	38	ug/Kg
Chrysene	110	J	380	60	ug/Kg
Benzo(b)fluoranthene	67	J	380	38	ug/Kg
Benzo(k)fluoranthene	84	J	380	49	ug/Kg
Benzo(a)pyrene	90	J	380	56	ug/Kg
Indeno(1,2,3-cd)pyrene	< 60	U	380	60	ug/Kg
Dibenz(a,h)anthracene	< 57	U	380	57	ug/Kg
Benzo(g,h,i)perylene	< 49	U	380	49	ug/Kg
SURROGATES					
Nitrobenzene-d5	184.9	92 %	23 - 120		SPK: 200
2-Fluorobiphenyl	188.95	94 %	30 - 115		SPK: 200
Terphenyl-d14	301.96	151 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	37084	5.54			
Naphthalene-d8	104101	7.98			
Acenaphthene-d10	79983	11.68			
Phenanthrene-d10	108772	14.85			
Chrysene-d12	70360	20.65			
Perylene-d12	61197	23.59			
TENTITIVE IDENTIFIED COMPOUNDS					
TCP	7800	A	3.32		ug/Kg
Hexadecanoic acid	380	J	16.37		ug/Kg

Chemtech Consulting Group

SVOCMS Group1

SDG No.: P3703-01

Client: Holt Consulting

Sample ID:	P3703-07RE	**Client ID:**	C10-BRE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/23/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BD001924.D
Dilution:	1	**Instrument ID:**	5971D
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Wol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	12
Associated Blank:	PB081602-19B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Naphthalene	< 44	U	380	44	ug/Kg
Acenaphthene	< 44	U	380	44	ug/Kg
Fluorene	< 41	U	380	41	ug/Kg
Phenanthrene	73	J	380	38	ug/Kg
Anthracene	< 49	U	380	49	ug/Kg
Fluoranthene	130	J	380	38	ug/Kg
[illegible]e	180	J	380	38	ug/Kg
Benzo(a)anthracene	79	J	380	38	ug/Kg
Chrysene	100	J	380	60	ug/Kg
Benzo(b)fluoranthene	85	J	380	38	ug/Kg
Benzo(k)fluoranthene	120	J	380	49	ug/Kg
Benzo(a)pyrene	90	J	380	56	ug/Kg
Indeno(1,2,3-cd)pyrene	< 60	U	380	60	ug/Kg
Dibenz(a,h)anthracene	< 57	U	380	57	ug/Kg
Benzo(g,h,i)perylene	< 49	U	380	49	ug/Kg
SURROGATES					
Nitrobenzene-d5	182.35	91 %	23 - 120		SPK: 200
2-Fluorobiphenyl	203.25	102 %	30 - 115		SPK: 200
Terphenyl-d14	408.08	204 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	32234	5.50			
Naphthalene-d8	95466	7.93			
Acenaphthene-d10	67450	11.63			
Phenanthrene-d10	90339	14.79			
Chrysene-d12	44682	20.59			
Perylene-d12	16533	23.54			

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Hit Summary Report

SDG No.: P3703-01 **Order ID:** P3703

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOCMS Group1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**B10-B**							
P3703-05	B10-B	SOIL	Phenanthrene	140	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Anthracene	60	J	350	46	ug/Kg
P3703-05	B10-B	SOIL	Fluoranthene	330	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Pyrene	350	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Benzo(a)anthracene	160	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Chrysene	170	J	350	57	ug/Kg
P3703-05	B10-B	SOIL	Benzo(b)fluoranthene	94	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Benzo(k)fluoranthene	160	J	350	46	ug/Kg
P3703-05	B10-B	SOIL	Benzo(a)pyrene	160	J	350	53	ug/Kg
P3703-05	B10-B	SOIL	AC P	* 7900	A	0	0	ug/Kg
			Total SVOC's:	**1624.00**				
			Total TIC's:	**7900.00**				
			Total SVOC's and TIC's:	**9524.00**				
Client ID:	**B10-BRE**							
P3703-05RE	B10-BRE	SOIL	Phenanthrene	140	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Anthracene	53	J	350	46	ug/Kg
P3703-05RE	B10-BRE	SOIL	Fluoranthene	310	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Pyrene	430		350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(a)anthracene	150	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Chrysene	170	J	350	57	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(b)fluoranthene	160	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(k)fluoranthene	160	J	350	46	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(a)pyrene	160	J	350	53	ug/Kg
			Total SVOC's:	**1733.00**				
			Total TIC's:	**0.00**				
			Total SVOC's and TIC's:	**1733.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

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Hit Summary Report

SDG No.: P3703-01 **Order ID:** P3703

lient: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOCMS Group1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**B10-B**							
P3703-05	B10-B	SOIL	Phenanthrene	140	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Anthracene	60	J	350	46	ug/Kg
P3703-05	B10-B	SOIL	Fluoranthene	330	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Pyrene	350	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Benzo(a)anthracene	160	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Chrysene	170	J	350	57	ug/Kg
P3703-05	B10-B	SOIL	Benzo(b)fluoranthene	94	J	350	35	ug/Kg
P3703-05	B10-B	SOIL	Benzo(k)fluoranthene	160	J	350	46	ug/Kg
P3703-05	B10-B	SOIL	Benzo(a)pyrene	160	J	350	53	ug/Kg
P3703-05	B10-B	SOIL	AC P	* 7900	A	0	0	ug/Kg
			Total SVOC's:	**1624.00**				
			Total TIC's:	**7900.00**				
			Total SVOC's and TIC's:	**9524.00**				
Client ID:	**B10-BRE**							
P3703-05RE	B10-BRE	SOIL	Phenanthrene	140	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Anthracene	53	J	350	46	ug/Kg
-05RE	B10-BRE	SOIL	Fluoranthene	310	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Pyrene	430		350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(a)anthracene	150	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Chrysene	170	J	350	57	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(b)fluoranthene	160	J	350	35	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(k)fluoranthene	160	J	350	46	ug/Kg
P3703-05RE	B10-BRE	SOIL	Benzo(a)pyrene	160	J	350	53	ug/Kg
			Total SVOC's:	**1733.00**				
			Total TIC's:	**0.00**				
			Total SVOC's and TIC's:	**1733.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

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Hit Summary Report

SDG No.: P3703-01 **Order ID:** P3703

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOCMS Group1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**C10-A**							
P3703-06	C10-A	SOIL	Naphthalene	76	J	370	43	ug/Kg
P3703-06	C10-A	SOIL	Acenaphthene	76	J	370	43	ug/Kg
P3703-06	C10-A	SOIL	Fluorene	220	J	370	40	ug/Kg
P3703-06	C10-A	SOIL	Phenanthrene	3000		370	37	ug/Kg
P3703-06	C10-A	SOIL	Anthracene	740		370	48	ug/Kg
P3703-06	C10-A	SOIL	Fluoranthene	4600		370	37	ug/Kg
P3703-06	C10-A	SOIL	Pyrene	3500		370	37	ug/Kg
P3703-06	C10-A	SOIL	Benzo(a)anthracene	1500		370	37	ug/Kg
P3703-06	C10-A	SOIL	Chrysene	1300		370	58	ug/Kg
P3703-06	C10-A	SOIL	Benzo(b)fluoranthene	640		370	37	ug/Kg
P3703-06	C10-A	SOIL	Benzo(k)fluoranthene	1300		370	48	ug/Kg
P3703-06	C10-A	SOIL	Benzo(a)pyrene	1100		370	55	ug/Kg
P3703-06	C10-A	SOIL	Indeno(1,2,3-cd)pyrene	190	J	370	58	ug/Kg
P3703-06	C10-A	SOIL	Benzo(g,h,i)perylene	260	J	370	48	ug/Kg
			Total SVOC's:	**18502.00**				
			Total TIC's:	**0.00**				
			Total SVOC's and TIC's:	**18502.00**				
Client ID:	**C10-ADL**							
P3703-06DL	C10-ADL	SOIL	Fluorene	210	JD	1800	200	ug/Kg
P3703-06DL	C10-ADL	SOIL	Phenanthrene	1900	D	1800	180	ug/Kg
P3703-06DL	C10-ADL	SOIL	Anthracene	680	JD	1800	240	ug/Kg
P3703-06DL	C10-ADL	SOIL	Fluoranthene	2400	D	1800	180	ug/Kg
P3703-06DL	C10-ADL	SOIL	Pyrene	2300	D	1800	180	ug/Kg
P3703-06DL	C10-ADL	SOIL	Benzo(a)anthracene	1100	JD	1800	180	ug/Kg
P3703-06DL	C10-ADL	SOIL	Chrysene	960	JD	1800	290	ug/Kg
P3703-06DL	C10-ADL	SOIL	Benzo(b)fluoranthene	590	JD	1800	180	ug/Kg
P3703-06DL	C10-ADL	SOIL	Benzo(k)fluoranthene	800	JD	1800	240	ug/Kg
P3703-06DL	C10-ADL	SOIL	Benzo(a)pyrene	880	JD	1800	270	ug/Kg
			Total SVOC's:	**11820.00**				
			Total TIC's:	**0.00**				
			Total SVOC's and TIC's:	**11820.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3703-01 **Order ID:** P3703

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOCMS Group1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**C10-B**							
P3703-07	C10-B	SOIL	Phenanthrene	82	J	380	38	ug/Kg
P3703-07	C10-B	SOIL	Fluoranthene	150	J	380	38	ug/Kg
P3703-07	C10-B	SOIL	Pyrene	160	J	380	38	ug/Kg
P3703-07	C10-B	SOIL	Benzo(a)anthracene	75	J	380	38	ug/Kg
P3703-07	C10-B	SOIL	Chrysene	110	J	380	60	ug/Kg
P3703-07	C10-B	SOIL	Benzo(b)fluoranthene	67	J	380	38	ug/Kg
P3703-07	C10-B	SOIL	Benzo(k)fluoranthene	84	J	380	49	ug/Kg
P3703-07	C10-B	SOIL	Benzo(a)pyrene	90	J	380	56	ug/Kg
P3703-07	C10-B	SOIL	ACP	* 7800	JB	0	0	ug/Kg
P3703-07	C10-B	SOIL	Hexadecanoic acid	* 380	J	0	0	ug/Kg
			Total SVOC's:	**818.00**				
			Total TIC's:	**8180.00**				
			Total SVOC's and TIC's:	**8998.00**				
Client ID:	**C10-BRE**							
P3703-07RE	C10-BRE	SOIL	Phenanthrene	73	J	380	38	ug/Kg
P3703-07RE	C10-BRE	SOIL	Fluoranthene	130	J	380	38	ug/Kg
P3703-07RE	C10-BRE	SOIL	Pyrene	180	J	380	38	ug/Kg
P3703-07RE	C10-BRE	SOIL	Benzo(a)anthracene	79	J	380	38	ug/Kg
P3703-07RE	C10-BRE	SOIL	Chrysene	100	J	380	60	ug/Kg
P3703-07RE	C10-BRE	SOIL	Benzo(b)fluoranthene	85	J	380	38	ug/Kg
P3703-07RE	C10-BRE	SOIL	Benzo(k)fluoranthene	120	J	380	49	ug/Kg
P3703-07RE	C10-BRE	SOIL	Benzo(a)pyrene	90	J	380	56	ug/Kg
			Total SVOC's:	**857.00**				
			Total TIC's:	**0.00**				
			Total SVOC's and TIC's:	**857.00**				
Client ID:	**FS-4A**							
P3703-01	FS-4A	SOIL	Fluoranthene	69	J	370	37	ug/Kg
P3703-01	FS-4A	SOIL	Pyrene	100	J	370	37	ug/Kg
P3703-01	FS-4A	SOIL	ACP	* 5100	A	0	0	ug/Kg
P3703-01	FS-4A	SOIL	Hexanoic acid	* 740	J	0	0	ug/Kg
P3703-01	FS-4A	SOIL	Hexadecanoic acid	* 370	J	0	0	ug/Kg
			Total SVOC's:	**169.00**				
			Total TIC's:	**6210.00**				
			Total SVOC's and TIC's:	**6379.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3703-01 **Order ID:** P3703

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOCMS Group1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**FS-4ARE**							
P3703-01RE	FS-4ARE	SOIL	Fluoranthene	61	J	370	37	ug/Kg
P3703-01RE	FS-4ARE	SOIL	Pyrene	110	J	370	37	ug/Kg
P3703-01RE	FS-4ARE	SOIL	Benzo(b)fluoranthene	39	J	370	37	ug/Kg
P3703-01RE	FS-4ARE	SOIL	Benzo(k)fluoranthene	60	J	370	48	ug/Kg
			Total SVOC's:	**270.00**				
			Total TIC's:	**0.00**				
			Total SVOC's and TIC's:	**270.00**				
Client ID:	**FS-4B**							
P3703-02	FS-4B	SOIL	Pyrene	39	J	390	39	ug/Kg
P3703-02	FS-4B	SOIL	ACP	* 7200	A	0	0	ug/Kg
			Total SVOC's:	**39.00**				
			Total TIC's:	**7200.00**				
			Total SVOC's and TIC's:	**7239.00**				
Client ID:	**FS-6A**							
P3703-03	FS-6A	SOIL	ACP	* 22000	A	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1500	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 810	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 950	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 790	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 940	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1200	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 830	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 800	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 940	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1100	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 830	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1500	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1700	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1100	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 990	J	0	0	ug/Kg
P3703-03	FS-6A	SOIL	Unknown	* 1000	J	0	0	ug/Kg
			Total SVOC's:	**0.00**				
			Total TIC's:	**38980.00**				
			Total SVOC's and TIC's:	**38980.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3703-01 **Order ID:** P3703

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOCMS Group1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	FS-6B							
P3703-04	FS-6B	SOIL	ACP	* 18000	A	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1900	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1200	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1300	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1100	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Hexane, 3,3-dimethyl-	* 1800	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1100	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1400	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1200	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1000	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1800	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 2500	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1200	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1100	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1300	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1000	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 3900	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1700	J	0	0	ug/Kg
P3703-04	FS-6B	SOIL	Unknown	* 1400	J	0	0	ug/Kg

Total SVOC's:	0.00
Total TIC's:	45900.00
Total SVOC's and TIC's:	45900.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

OG No.: P3703

Sample ID:	**P3703-01**	**Client ID:**	**FS-4A**
Contract:	**Holt Consulting**	**Date Collected:**	**8/9/02**
Date Received:	**8/10/02**		
Matrix:	**SOIL**	**% Solids:**	**89.40**

Analyte	Method	Result	Units	C	Qual	DF	Analytical Date
TH	EPA 418.1	< 44.74	mg/Kg	U		1	8/19/02

Comments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

[redacted]o.: P3703

Sample ID:	P3703-02	**Client ID:**	FS-4B		
Contract:	Holt Consulting	**Date Collected:**	8/9/02	**Date Received:**	8/10/02
Matrix:	SOIL	**% Solids:**	84.30		

Analyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	90	mg/Kg			1	8/19/02

Comments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3703

Sample ID:	**P3703-03**	**Client ID:**	**FS-6A**
Contract:	**Holt Consulting**	**Date Collected:**	**8/9/02**
Date Received:	**8/10/02**		
Matrix:	**SOIL**	**% Solids:**	**96.60**

nalyte	Method	Result	Units	C	Qual	DF	Analytical Date
'H	EPA 418.1	1100	mg/Kg			2	8/19/02

)mments:

'hemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

).: P3703

Sample ID: P3703-04

Client ID: FS-6B

Contract: Holt Consulting

Date Collected: 8/9/02

Date Received: 8/10/02

Matrix: SOIL

% Solids: 97.00

ıalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	5200	mg/Kg			10	8/19/02

ımments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3703

Sample ID: P3703-05 Client ID: B10-B

Contract: Holt Consulting Date Collected: 8/9/02 Date Received: 8/10/02

Matrix: SOIL % Solids: 92.40

ıalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	220	mg/Kg			1	8/19/02

)mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

o.: P3703

Sample ID: P3703-06 **Client ID:** C10-A

Contract: Holt Consulting **Date Collected:** 8/9/02 **Date Received:** 8/10/02

Matrix: SOIL **% Solids:** 90.40

alyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	230	mg/Kg			1	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3703

Sample ID: P3703-07 **Client ID:** C10-B

Contract: Holt Consulting **Date Collected:** 8/9/02 **Date Received:** 8/10/02

Matrix: SOIL **% Solids:** 88.00

ıalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	< 45.45	mg/Kg	U		1	8/19/02

mments:

APPENDIX 5

SOIL ORGANIC LAB RESULTS

Soil Boring Soils
VOC & Semi-VOC
Laboratory Results

Soil Boring Soils
VOC & Semi-VOC
Laboratory Results

CHEMTECH 205 Campus Plaza 1 • Edison, NJ 08837 Phone: 732.225.4111 Fax: 732.225.4110

DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH
PROJECT # 158.01

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207
518-432-9021

CHEMTECH PROJECT # **L9514ASP**
ATTENTION **STEPHEN B.LE FEVRE**

CHEMTECH 205 Campus Plaza 1 • Edison, NJ 08837 Phone: 732.225.4111 Fax: 732.225.4110

DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH PARK
PROJECT # 99-158.01

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207
518-432-9021

CHEMTECH PROJECT # **L9606ASP**
ATTENTION **STEPHEN B.LE FEVRE**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30469

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3241.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 4 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	5.2	U
75-15-0	Carbon Disulfide	5.2	U
75-09-2	Methylene Chloride	5.2	U
108-0504	Vinyl Acetate	26	U
540-59-0	1,2-Dichloroethene Total	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
78-93-3	2-Butanone	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
56-23-5	Carbon Tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
108-10-1	4-Methyl-2-Pentanone	5.2	U
108-88-3	Toluene	5.2	U
10061-02-6	t-1,3-Dichloropropene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
110-75-8	2-Chloroethyl Vinyl ether	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethyl Benzene	5.2	U
1330-20-7	Total Xylenes	5.2	U
95-47-6	o-Xylene	5.2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30469

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3241.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 4 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-1A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30469

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3241.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 4 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	100	J
2.	Unknown	31.21	8.9	J
3.	Unknown	31.96	11	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3244.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 15 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl Chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
67-64-1	Acetone	5.9	U
75-15-0	Carbon Disulfide	5.9	U
75-09-2	Methylene Chloride	5.9	U
108-0504	Vinyl Acetate	29	U
540-59-0	1,2-Dichloroethene Total	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
78-93-3	2-Butanone	5.9	U
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
71-43-2	Benzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
79-01-6	Trichloroethene	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
108-10-1	4-Methyl-2-Pentanone	5.9	U
108-88-3	Toluene	5.9	U
10061-02-6	t-1,3-Dichloropropene	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
110-75-8	2-Chloroethyl Vinyl ether	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
591-78-6	2-Hexanone	5.9	U
124-48-1	Dibromochloromethane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethyl Benzene	5.9	U
1330-20-7	Total Xylenes	5.9	U
95-47-6	o-Xylene	5.9	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3244.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 15 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U

1E

SAMPLE NO.

HC-1B

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3244.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 15 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	1.81	56	J
2. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.31	110	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31347

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3280.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 11 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	5.6	U
75-15-0	Carbon Disulfide	5.6	U
75-09-2	Methylene Chloride	5.6	U
108-0504	Vinyl Acetate	28	U
540-59-0	1,2-Dichloroethene Total	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
78-93-3	2-Butanone	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	5.6	U
108-88-3	Toluene	5.6	U
10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
110-75-8	2-Chloroethyl Vinyl ether	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	5.6	U
124-48-1	Dibromochloromethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
1330-20-7	Total Xylenes	5.6	U
95-47-6	o-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31347

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3280.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 11 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31347

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3280.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 11 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	15	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31348

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3283.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 23 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	65	U
75-01-4	Vinyl Chloride	65	U
74-83-9	Bromomethane	65	U
75-00-3	Chloroethane	65	U
75-35-4	1,1-Dichloroethene	65	U
67-64-1	Acetone	65	U
75-15-0	Carbon Disulfide	65	U
75-09-2	Methylene Chloride	65	U
108-0504	Vinyl Acetate	320	U
540-59-0	1,2-Dichloroethene Total	65	U
75-34-3	1,1-Dichloroethane	65	U
78-93-3	2-Butanone	65	U
67-66-3	Chloroform	65	U
71-55-6	1,1,1-Trichloroethane	65	U
56-23-5	Carbon Tetrachloride	65	U
71-43-2	Benzene	65	U
107-06-2	1,2-Dichloroethane	65	U
79-01-6	Trichloroethene	65	U
78-87-5	1,2-Dichloropropane	65	U
75-27-4	Bromodichloromethane	65	U
108-10-1	4-Methyl-2-Pentanone	65	U
108-88-3	Toluene	65	U
10061-02-6	t-1,3-Dichloropropene	65	U
10061-01-5	cis-1,3-Dichloropropene	65	U
110-75-8	2-Chloroethyl Vinyl ether	65	U
79-00-5	1,1,2-Trichloroethane	65	U
591-78-6	2-Hexanone	65	U
124-48-1	Dibromochloromethane	65	U
127-18-4	Tetrachloroethene	65	U
108-90-7	Chlorobenzene	65	U
100-41-4	Ethyl Benzene	65	U
1330-20-7	Total Xylenes	65	U
95-47-6	o-Xylene	65	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31348

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3283.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 23 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	65	U
75-25-2	Bromoform	65	U
95-50-1	1,2-Dichlorobenzene	65	U
106-46-7	1,4-Dichlorobenzene	65	U
541-73-1	1,3-Dichlorobenzene	65	U
79-34-5	1,1,2,2-Tetrachloroethane	65	U

1E

SAMPLE NO.

HC-2B

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31348

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3283.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 23 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 592-27-8	Heptane, 2-methyl-	13.52	1100	J
2. 589-81-1	Heptane, 3-methyl-	14.03	1200	J
3. 638-04-0	Cyclohexane, 1,3-dimethyl-,	14.74	2200	J
4.	Unknown	17.58	800	J
5.	Unknown	18.25	1000	J
6.	Unknown	19.47	650	J
7. 6236-88-0	Cyclohexane, 1-ethyl-4-methy	19.67	650	J
8.	Unknown	20.50	730	J
9.	Unknown	21.21	1200	J
10.	Unknown	21.84	1100	J
11.	Unknown	22.19	1400	J
12. 589-90-2	Cyclohexane, 1,4-dimethyl-	22.98	1600	J
13. 17302-28-2	Nonane, 2,6-dimethyl-	23.69	2700	J
14.	Unknown	24.64	1000	J
15.	Unknown	26.46	700	J
16.	Unknown	27.37	820	J
17. 17301-23-4	Undecane, 2,6-dimethyl-	28.95	780	J
18. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	29.97	600	J
19.	Unknown	30.33	820	J
20.	Unknown	31.28	710	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31311

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3265.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 30 Date Analyzed: 8/5/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	7.1	U
75-01-4	Vinyl Chloride	7.1	U
74-83-9	Bromomethane	7.1	U
75-00-3	Chloroethane	7.1	U
75-35-4	1,1-Dichloroethene	7.1	U
67-64-1	Acetone	7.1	U
75-15-0	Carbon Disulfide	7.1	U
75-09-2	Methylene Chloride	2.1	J
108-0504	Vinyl Acetate	36	U
540-59-0	1,2-Dichloroethene Total	7.1	U
75-34-3	1,1-Dichloroethane	7.1	U
78-93-3	2-Butanone	7.1	U
67-66-3	Chloroform	7.1	U
71-55-6	1,1,1-Trichloroethane	7.1	U
56-23-5	Carbon Tetrachloride	7.1	U
71-43-2	Benzene	7.1	U
107-06-2	1,2-Dichloroethane	7.1	U
79-01-6	Trichloroethene	7.1	U
78-87-5	1,2-Dichloropropane	7.1	U
75-27-4	Bromodichloromethane	7.1	U
108-10-1	4-Methyl-2-Pentanone	7.1	U
108-88-3	Toluene	7.1	U
10061-02-6	t-1,3-Dichloropropene	7.1	U
10061-01-5	cis-1,3-Dichloropropene	7.1	U
110-75-8	2-Chloroethyl Vinyl ether	7.1	U
79-00-5	1,1,2-Trichloroethane	7.1	U
591-78-6	2-Hexanone	7.1	U
124-48-1	Dibromochloromethane	7.1	U
127-18-4	Tetrachloroethene	7.1	U
108-90-7	Chlorobenzene	7.1	U
100-41-4	Ethyl Benzene	7.1	U
1330-20-7	Total Xylenes	7.1	U
95-47-6	o-Xylene	7.1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31311

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3265.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 30 Date Analyzed: 8/5/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	7.1	U
75-25-2	Bromoform	7.1	U
95-50-1	1,2-Dichlorobenzene	7.1	U
106-46-7	1,4-Dichlorobenzene	7.1	U
541-73-1	1,3-Dichlorobenzene	7.1	U
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-3A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31311

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3265.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 30 Date Analyzed: 8/5/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.31	71	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3281.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 20 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	6.3	U
75-01-4	Vinyl Chloride	6.3	U
74-83-9	Bromomethane	6.3	U
75-00-3	Chloroethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
67-64-1	Acetone	6.3	U
75-15-0	Carbon Disulfide	6.3	U
75-09-2	Methylene Chloride	6.3	U
108-0504	Vinyl Acetate	31	U
540-59-0	1,2-Dichloroethene Total	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
78-93-3	2-Butanone	6.3	U
67-66-3	Chloroform	6.3	U
71-55-6	1,1,1-Trichloroethane	6.3	U
56-23-5	Carbon Tetrachloride	6.3	U
71-43-2	Benzene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
79-01-6	Trichloroethene	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
75-27-4	Bromodichloromethane	6.3	U
108-10-1	4-Methyl-2-Pentanone	6.3	U
108-88-3	Toluene	6.3	U
10061-02-6	t-1,3-Dichloropropene	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
110-75-8	2-Chloroethyl Vinyl ether	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
591-78-6	2-Hexanone	6.3	U
124-48-1	Dibromochloromethane	6.3	U
127-18-4	Tetrachloroethene	6.3	U
108-90-7	Chlorobenzene	6.3	U
100-41-4	Ethyl Benzene	6.3	U
1330-20-7	Total Xylenes	6.3	U
95-47-6	o-Xylene	6.3	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3281.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 20 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	6.3	U
75-25-2	Bromoform	6.3	U
95-50-1	1,2-Dichlorobenzene	6.3	U
106-46-7	1,4-Dichlorobenzene	6.3	U
541-73-1	1,3-Dichlorobenzene	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3281.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 20 Date Analyzed: 8/7/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.31	14	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31309

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3264.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 11 Date Analyzed: 8/5/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	5.6	U
75-15-0	Carbon Disulfide	5.6	U
75-09-2	Methylene Chloride	8.6	
108-0504	Vinyl Acetate	28	U
540-59-0	1,2-Dichloroethene Total	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
78-93-3	2-Butanone	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	5.6	U
108-88-3	Toluene	5.6	U
10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
110-75-8	2-Chloroethyl Vinyl ether	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	5.6	U
124-48-1	Dibromochloromethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
1330-20-7	Total Xylenes	5.6	U
95-47-6	o-Xylene	5.6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31309

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3264.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 11 Date Analyzed: 8/5/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U

1E

SAMPLE NO.

HC-4A

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-\

Matrix: (soil/water) SOIL Lab Sample ID: O31309

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3264.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 11 Date Analyzed: 8/5/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.39	50	J
2.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31310

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3292.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 19 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-09-2	Methylene Chloride	2.9	JB
108-0504	Vinyl Acetate	62	U
540-59-0	1,2-Dichloroethene Total	12	U
75-34-3	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
110-75-8	2-Chloroethyl Vinyl ether	12	U
79-00-5	1,1,2-Trichloroethane	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethyl Benzene	12	U
1330-20-7	Total Xylenes	12	U
95-47-6	o-Xylene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31310

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3292.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 19 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
95-50-1	1,2-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U

1E

SAMPLE NO.

HC-4B

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31310

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3292.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 19 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	11.31	640	J
2.	Unknown	12.26	310	J
3.	Unknown	13.56	440	J
4.	Unknown	14.03	630	J
5. 638-04-0	Cyclohexane, 1,3-dimethyl-,	14.78	990	J
6.	Unknown	15.37	230	J
7.	Unknown	16.63	220	J
8.	Unknown	17.58	690	J
9.	Unknown	18.57	330	J
10.	Unknown	19.67	380	J
11.	Unknown	20.50	250	J
12. 5911-04-6	Nonane, 3-methyl-	20.81	240	J
13.	Unknown	21.17	570	J
14.	Unknown	21.84	310	J
15.	Unknown	22.23	360	J
16.	Unknown	22.94	410	J
17.	Unknown	23.65	480	J
18.	Unknown	25.98	340	J
19.	Unknown	28.91	230	J
20.	Unknown	30.33	360	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3242.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 3 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	5.2	U
75-15-0	Carbon Disulfide	5.2	U
75-09-2	Methylene Chloride	5.2	U
108-0504	Vinyl Acetate	26	U
540-59-0	1,2-Dichloroethene Total	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
78-93-3	2-Butanone	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
56-23-5	Carbon Tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
108-10-1	4-Methyl-2-Pentanone	5.2	U
108-88-3	Toluene	5.2	U
10061-02-6	t-1,3-Dichloropropene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
110-75-8	2-Chloroethyl Vinyl ether	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethyl Benzene	5.2	U
1330-20-7	Total Xylenes	5.2	U
95-47-6	o-Xylene	5.2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3242.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 3 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

HC-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VO.

Matrix: (soil/water) SOIL Lab Sample ID: O30471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3242.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 3 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	110	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30472

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3247.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 26 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	68	U
75-01-4	Vinyl Chloride	68	U
74-83-9	Bromomethane	68	U
75-00-3	Chloroethane	68	U
75-35-4	1,1-Dichloroethene	68	U
67-64-1	Acetone	68	U
75-15-0	Carbon Disulfide	68	U
75-09-2	Methylene Chloride	68	U
108-0504	Vinyl Acetate	340	U
540-59-0	1,2-Dichloroethene Total	68	U
75-34-3	1,1-Dichloroethane	68	U
78-93-3	2-Butanone	68	U
67-66-3	Chloroform	68	U
71-55-6	1,1,1-Trichloroethane	68	U
56-23-5	Carbon Tetrachloride	68	U
71-43-2	Benzene	68	U
107-06-2	1,2-Dichloroethane	68	U
79-01-6	Trichloroethene	68	U
78-87-5	1,2-Dichloropropane	68	U
75-27-4	Bromodichloromethane	68	U
108-10-1	4-Methyl-2-Pentanone	68	U
108-88-3	Toluene	68	U
10061-02-6	t-1,3-Dichloropropene	68	U
10061-01-5	cis-1,3-Dichloropropene	68	U
110-75-8	2-Chloroethyl Vinyl ether	68	U
79-00-5	1,1,2-Trichloroethane	68	U
591-78-6	2-Hexanone	68	U
124-48-1	Dibromochloromethane	68	U
127-18-4	Tetrachloroethene	68	U
108-90-7	Chlorobenzene	68	U
100-41-4	Ethyl Benzene	68	U
1330-20-7	Total Xylenes	68	U
95-47-6	o-Xylene	68	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30472

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3247.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 26 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	68	U
75-25-2	Bromoform	68	U
95-50-1	1,2-Dichlorobenzene	68	U
106-46-7	1,4-Dichlorobenzene	68	U
541-73-1	1,3-Dichlorobenzene	68	U
79-34-5	1,1,2,2-Tetrachloroethane	68	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-5B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30472

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3247.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 26 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	7.57	2000	J
2. 1192-18-3	Cyclopentane, 1,2-dimethyl-,	8.87	41000	J
3.	Unknown	11.63	28000	J
4.	Unknown	12.30	8100	J
5. 2613-69-6	Cyclopentane, 1,2,3-trimethy	12.89	12000	J
6.	Unknown	13.52	9700	J
7.	Unknown	14.03	6500	J
8. 6876-23-9	Cyclohexane, 1,2-dimethyl-,	14.78	2100	J
9.	Unknown	15.41	2000	J
10.	Unknown	17.58	4600	J
11.	Unknown	19.67	1500	J
12.	Unknown	21.17	2700	J
13.	Unknown	22.24	1800	J
14.	Unknown	22.91	3500	J
15. 2847-72-5	Decane, 4-methyl-	23.66	2000	J
16. 526-73-8	Benzene, 1,2,3-trimethyl-	24.21	1800	J
17.	Unknown	24.61	2000	J
18.	Unknown	25.99	2500	J
19.	Unknown	28.91	2000	J
20.	Unknown	30.30	1300	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3243.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 16 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	6	U
74-83-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	6	U
75-15-0	Carbon Disulfide	6	U
75-09-2	Methylene Chloride	6	U
108-0504	Vinyl Acetate	30	U
540-59-0	1,2-Dichloroethene Total	6	U
75-34-3	1,1-Dichloroethane	6	U
78-93-3	2-Butanone	6	U
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
71-43-2	Benzene	6	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
75-27-4	Bromodichloromethane	6	U
108-10-1	4-Methyl-2-Pentanone	6	U
108-88-3	Toluene	6	U
10061-02-6	t-1,3-Dichloropropene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
110-75-8	2-Chloroethyl Vinyl ether	6	U
79-00-5	1,1,2-Trichloroethane	6	U
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	6	U
127-18-4	Tetrachloroethene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethyl Benzene	6	U
1330-20-7	Total Xylenes	6	U
95-47-6	o-Xylene	6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3243.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 16 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
100-42-5	Styrene	6	U
75-25-2	Bromoform	6	U
95-50-1	1,2-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

HC-6A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VC

Matrix: (soil/water) SOIL Lab Sample ID: O30473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3243.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 16 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	110	J
2.				
3.				
4.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30474

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3245.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 22 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	6.4	U
75-01-4	Vinyl Chloride	6.4	U
74-83-9	Bromomethane	6.4	U
75-00-3	Chloroethane	6.4	U
75-35-4	1,1-Dichloroethene	6.4	U
67-64-1	Acetone	6.4	U
75-15-0	Carbon Disulfide	6.4	U
75-09-2	Methylene Chloride	6.4	U
108-0504	Vinyl Acetate	32	U
540-59-0	1,2-Dichloroethene Total	6.4	U
75-34-3	1,1-Dichloroethane	6.4	U
78-93-3	2-Butanone	6.4	U
67-66-3	Chloroform	6.4	U
71-55-6	1,1,1-Trichloroethane	6.4	U
56-23-5	Carbon Tetrachloride	6.4	U
71-43-2	Benzene	6.4	U
107-06-2	1,2-Dichloroethane	6.4	U
79-01-6	Trichloroethene	6.4	U
78-87-5	1,2-Dichloropropane	6.4	U
75-27-4	Bromodichloromethane	6.4	U
108-10-1	4-Methyl-2-Pentanone	6.4	U
108-88-3	Toluene	6.4	U
10061-02-6	t-1,3-Dichloropropene	6.4	U
10061-01-5	cis-1,3-Dichloropropene	6.4	U
110-75-8	2-Chloroethyl Vinyl ether	6.4	U
79-00-5	1,1,2-Trichloroethane	6.4	U
591-78-6	2-Hexanone	6.4	U
124-48-1	Dibromochloromethane	6.4	U
127-18-4	Tetrachloroethene	6.4	U
108-90-7	Chlorobenzene	6.4	U
100-41-4	Ethyl Benzene	6.4	U
1330-20-7	Total Xylenes	6.4	U
95-47-6	o-Xylene	6.4	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30474

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3245.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 22 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	6.4	U
75-25-2	Bromoform	6.4	U
95-50-1	1,2-Dichlorobenzene	6.4	U
106-46-7	1,4-Dichlorobenzene	6.4	U
541-73-1	1,3-Dichlorobenzene	6.4	U
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U

1E

SAMPLE NO.

HC-6B

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O30474

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3245.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: not dec. 22 Date Analyzed: 8/4/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	91	J
2.	Unknown	11.31	610	J
3. 16883-48-0	Cyclopentane, 1,2,4-trimethy	12.26	300	J
4.	Unknown	13.40	97	J
5.	Unknown	14.07	350	J
6. 1072-05-5	Heptane, 2,6-dimethyl-	16.63	87	J
7.	Unknown	17.58	300	J
8. 1839-63-0	Cyclohexane, 1,3,5-trimethyl	18.13	200	J
9. 6236-88-0	Cyclohexane, 1-ethyl-4-methy	19.67	160	J
10. 3728-54-9	Cyclohexane, 1-ethyl-2-methy	20.50	120	J
11.	Unknown	21.17	110	J
12.	Unknown	22.23	140	J
13.	Unknown	22.90	800	J
14. 17302-28-2	Nonane, 2,6-dimethyl-	23.65	580	J
15. 493-01-6	Naphthalene, decahydro-, cis	25.83	560	J
16.	Unknown	26.38	120	J
17.	Unknown	27.32	260	J
18. 2958-76-1	Naphthalene, decahydro-2-met	27.84	110	J
19.	Unknown	28.90	120	J
20.	Unknown	30.29	110	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3295.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 21 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	6.3	U
75-01-4	Vinyl Chloride	6.3	U
74-83-9	Bromomethane	6.3	U
75-00-3	Chloroethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
67-64-1	Acetone	6.3	U
75-15-0	Carbon Disulfide	6.3	U
75-09-2	Methylene Chloride	1.6	JB
108-0504	Vinyl Acetate	32	U
540-59-0	1,2-Dichloroethene Total	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
78-93-3	2-Butanone	6.3	U
67-66-3	Chloroform	6.3	U
71-55-6	1,1,1-Trichloroethane	6.3	U
56-23-5	Carbon Tetrachloride	6.3	U
71-43-2	Benzene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
79-01-6	Trichloroethene	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
75-27-4	Bromodichloromethane	6.3	U
108-10-1	4-Methyl-2-Pentanone	6.3	U
108-88-3	Toluene	6.3	U
10061-02-6	t-1,3-Dichloropropene	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
110-75-8	2-Chloroethyl Vinyl ether	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
591-78-6	2-Hexanone	6.3	U
124-48-1	Dibromochloromethane	6.3	U
127-18-4	Tetrachloroethene	6.3	U
108-90-7	Chlorobenzene	6.3	U
100-41-4	Ethyl Benzene	6.3	U
1330-20-7	Total Xylenes	6.3	U
95-47-6	o-Xylene	6.3	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3295.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 21 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	6.3	U
75-25-2	Bromoform	6.3	U
95-50-1	1,2-Dichlorobenzene	6.3	U
106-46-7	1,4-Dichlorobenzene	6.3	U
541-73-1	1,3-Dichlorobenzene	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9606AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3295.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: not dec. 21 Date Analyzed: 8/8/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.35	44	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

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Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O31318

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D3301.D

Level: (low/med) Date Received: 8/2/00

% Moisture: not dec. 100 Date Analyzed: 8/9/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	8.1	
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

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Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O30476

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D3189.D

Level: (low/med) Date Received: 7/26/00

% Moisture: not dec. 100 Date Analyzed: 8/2/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O30476

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D3189.D

Level: (low/med) Date Received: 7/26/00

% Moisture: not dec. 100 Date Analyzed: 8/2/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

TRIPBLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9514AS Site: NA Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O30476

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D3189.D

Level: (low/med) Date Received: 7/26/00

% Moisture: not dec. 100 Date Analyzed: 8/2/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30469

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080428.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 4 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	870	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30469

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080428.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 4 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	97	J
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	74	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	67	J
218-01-9	Chrysene	75	J
117-81-7	Bis(2-Ethylhexyl)phthalate	48	J
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	82	J
50-32-8	Benzo(a)pyrene	72	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30469RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080704.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 4 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	870	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	350	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30469RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080704.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 4 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	n-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	87	J
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	130	J
206-44-0	Fluoranthene	88	J
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	62	J
218-01-9	Chrysene	83	J
117-81-7	Bis(2-Ethylhexyl)phthalate	62	J
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	82	J
207-08-9	Benzo(k)fluoranthene	90	J
50-32-8	Benzo(a)pyrene	79	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

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SAMPLE NO.

HC-1ARE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30469RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080704.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 4 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 15 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	4.96	1200	J
2.	Unknown	6.13	79	J
3. 142-62-1	Hexanoic acid	8.46	78	J
4. 1120-21-4	Undecane	10.46	92	J
5. 91-64-5	2H-1-Benzopyran-2-one	15.75	210	J
6. 90-43-7	o-Hydroxybiphenyl	16.65	100	J
7. 112-95-8	Eicosane	18.41	71	J
8. 57-10-3	Hexadecanoic acid	21.17	300	J
9. 54644-32-5	Oxirane, 2,3-bis(1-methyleth	23.26	180	J
10. 56599-98-5	Hexadecanoic acid, 2-(octade	24.20	160	J
11. 123-95-5	Octadecanoic acid, butyl est	24.96	130	J
12. 18733-57-8	Silane, trichloroeicosyl-	25.83	610	J
13. 629-78-7	Heptadecane	27.31	160	J
14. 544-76-3	Hexadecane	28.11	120	J
15.	Unknown	28.54	600	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080405.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	980	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080405.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 15 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	n-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	Bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octyl phthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-1B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080405.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	5.06	1500	J
2. 497-26-7	1,3-Dioxolane, 2-methyl-	6.25	94	J
3. 79-34-5	Ethane, 1,1,2,2-tetrachloro-	7.56	140	J
4. 109-52-4	Pentanoic acid	8.54	160	J
5. 90-43-7	o-Hydroxybiphenyl	16.73	96	J
6. 57-10-3	Hexadecanoic acid	21.26	130	J
7.	Unknown	25.92	270	J
8. 4128-17-0	2,6,10-Dodecatrien-1-ol, 3,7	28.68	99	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31347

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080608.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	39	J
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	Bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31347

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080608.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	940	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31347

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080608.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 6 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.22	950	B
2. 57-10-3	Hexadecanoic acid	17.47	240	J
3. 14167-59-0	Tetratriacontane	28.30	190	J
4. 3386-33-2	Octadecane, 1-chloro-	29.45	260	J
5. 630-06-8	Hexatriacontane	30.84	180	J
6.	Unknown	31.12	350	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31348

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080603.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 23 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1100	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31348

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080603.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 23 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	850	
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	67	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	430	U
218-01-9	Chrysene	430	U
117-81-7	Bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octyl phthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-2B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31348

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080603.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 19 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	3.31	3400	J
2. 14676-29-0	Heptane, 3-ethyl-2-methyl-	4.09	1100	J
3. 17325-90-5	4-Hexen-3-one, 4,5-dimethyl-	4.74	1100	J
4. 1606-08-2	Cyclopentylcyclohexane	5.03	1900	J
5. 5911-04-6	Nonane, 3-methyl-	5.36	4800	J
6.	Unknown	5.46	3800	J
7. 124-18-5	Decane	5.96	5700	J
8.	Unknown	6.06	2800	J
9. 49826-53-1	Bicyclo[3.2.1]oct-2-ene, 3-m	7.58	8200	J
10. 2870-04-4	Benzene, 2-ethyl-1,3-dimethy	8.09	6400	J
11. 4175-53-5	1H-Indene, 2,3-dihydro-1,3-d	9.59	870	J
12. 31295-56-4	Dodecane, 2,6,11-trimethyl-	11.93	700	J
13.	Unknown	12.24	690	J
14.	Unknown	12.56	540	J
15. 6117-97-1	Dodecane, 4-methyl-	12.89	1100	J
16.	Unknown	13.36	870	J
17. 55045-11-9	Tridecane, 5-propyl-	14.79	1300	J
18. 1921-70-6	Pentadecane, 2,6,10,14-tetra	15.38	1400	J
19. 54833-48-6	Heptadecane, 2,6,10,15-tetra	16.30	870	J
20. 132-64-9	Dibenzofuran	13.58	860	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BDL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31348DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080712.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 23 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	4300	UD
111-44-4	bis(2-Chloroethyl)ether	4300	UD
95-57-8	2-Chlorophenol	4300	UD
95-50-1	1,2-Dichlorobenzene	4300	UD
541-73-1	1,3-Dichlorobenzene	4300	UD
106-46-7	1,4-Dichlorobenzene	4300	UD
95-48-7	2-Methylphenol	4300	UD
65794-96-9	3+4-Methylphenols	4300	UD
621-64-7	n-Nitroso-di-n-propylamine	4300	UD
67-72-1	Hexachloroethane	4300	UD
98-95-3	Nitrobenzene	4300	UD
78-59-1	Isophorone	4300	UD
88-75-5	2-Nitrophenol	4300	UD
105-67-9	2,4-Dimethylphenol	4300	UD
65-85-0	Benzoic acid	11000	UD
111-91-1	bis(2-Chloroethoxy)methane	4300	UD
120-83-2	2,4-Dichlorophenol	4300	UD
120-82-1	1,2,4-Trichlorobenzene	4300	UD
91-20-3	Naphthalene	4300	UD
106-47-8	4-Chloroaniline	4300	UD
87-68-3	Hexachlorobutadiene	4300	UD
59-50-7	4-Chloro-3-methylphenol	4300	UD
91-57-6	2-Methylnaphthalene	4300	UD
77-47-4	Hexachlorocyclopentadiene	4300	UD
88-06-2	2,4,6-Trichlorophenol	4300	UD
95-95-4	2,4,5-Trichlorophenol	11000	UD
91-58-7	2-Chloronaphthalene	4300	UD
88-74-4	2-Nitroaniline	11000	UD
131-11-3	Dimethylphthalate	4300	UD
208-96-8	Acenaphthylene	4300	UD
606-20-2	2,6-Dinitrotoluene	4300	UD
99-09-2	3-Nitroaniline	11000	UD
83-32-9	Acenaphthene	4300	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BDL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31348DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080712.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 23 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	11000	UD
100-02-7	4-Nitrophenol	11000	UD
121-14-2	2,4-Dinitrotoluene	4300	UD
84-66-2	Diethylphthalate	4300	UD
7005-72-3	4-Chlorophenyl-phenylether	4300	UD
86-73-7	Fluorene	1000	JD
100-01-6	4-Nitroaniline	11000	UD
534-52-1	4,6-Dinitro-2-methylphenol	11000	UD
86-30-6	n-Nitrosodiphenylamine	4300	UD
101-55-3	4-Bromophenyl-phenylether	4300	UD
118-74-1	Hexachlorobenzene	4300	UD
87-86-5	Pentachlorophenol	11000	UD
85-01-8	Phenanthrene	1400	JD
120-12-7	Anthracene	4300	UD
84-74-2	Di-n-butylphthalate	4300	UD
206-44-0	Fluoranthene	4300	UD
129-00-0	Pyrene	4300	UD
85-68-7	Butylbenzylphthalate	4300	UD
91-94-1	3,3'-Dichlorobenzidine	4300	UD
56-55-3	Benzo(a)anthracene	4300	UD
218-01-9	Chrysene	4300	UD
117-81-7	Bis(2-Ethylhexyl)phthalate	4300	UD
117-84-0	Di-n-octyl phthalate	4300	UD
205-99-2	Benzo(b)fluoranthene	4300	UD
207-08-9	Benzo(k)fluoranthene	4300	UD
50-32-8	Benzo(a)pyrene	4300	UD
193-39-5	Indeno(1,2,3-cd)pyrene	4300	UD
53-70-3	Dibenzo(a,h)anthracene	4300	UD
191-24-2	Benzo(g,h,i)perylene	4300	UD

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SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

HC-2BDL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31348DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080712.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 17301-94-9	Nonane, 4-methyl-	5.82	6500	J
2. 2847-72-5	Decane, 4-methyl-	6.88	9700	J
3.	Unknown	7.35	8200	J
4. 13151-34-3	Decane, 3-methyl-	7.64	7600	J
5. 2958-76-1	Naphthalene, decahydro-2-met	8.47	6800	J
6. 56253-64-6	Benzene, (2-methyl-1-butenyl	9.51	10000	J
7. 17301-23-4	Undecane, 2,6-dimethyl-	9.68	12000	J
8. 696-29-7	Cyclohexane, (1-methylethyl)	10.01	10000	J
9.	Unknown	10.19	9400	J
10.	Unknown	10.29	6900	J
11. 504-44-9	Hexadecane, 2,6,11,15-tetram	10.42	13000	J
12.	Unknown	10.64	7700	J
13.	Unknown	10.77	11000	J
14. 90-12-0	Naphthalene, 1-methyl-	10.99	7100	J
15. 54340-86-2	Benzene, 4-(2-butenyl)-1,2-d	11.07	7800	J
16. 55030-62-1	Tridecane, 4,8-dimethyl-	11.98	7000	J
17.	Decahydro-4,4,8,9,10-pentame	12.29	9700	J
18. 571-61-9	Naphthalene, 1,5-dimethyl-	12.51	7000	J
19. 3891-98-3	Dodecane, 2,6,10-trimethyl-	12.65	10000	J
20. 132-64-9	Dibenzofuran	13.35	550	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31311

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080708.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 30 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
95-50-1	1,2-Dichlorobenzene	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1200	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31311

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080708.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 30 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	n-Nitrosodiphenylamine	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
84-74-2	Di-n-butylphthalate	62	J
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	Bis(2-Ethylhexyl)phthalate	480	U
117-84-0	Di-n-octyl phthalate	480	U
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenzo(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-3A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31311

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080708.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 30 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	990	B
2. 57-10-3	Hexadecanoic acid	17.47	330	J
3. 630-06-8	Hexatriacontane	27.31	240	J
4. 630-07-9	Pentatriacontane	29.42	290	J
5. 14167-59-0	Tetratriacontane	32.44	340	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080704.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 20 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1000	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080704.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 20 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	n-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	60	J
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	Bis(2-Ethylhexyl)phthalate	190	J
117-84-0	Di-n-octyl phthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080704.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 20 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	1200	B
2. 57-10-3	Hexadecanoic acid	17.45	250	J
3.	Unknown	20.86	270	J
4. 630-06-8	Hexatriacontane	27.31	300	J
5. 7098-22-8	Tetratetracontane	28.27	320	J
6. 7098-21-7	Tritetracontane	29.42	320	J
7.	Unknown	30.80	320	J
8.	Unknown	32.44	330	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-3B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31312

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080704.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 20 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 8 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	1200	J
2. 57-10-3	Hexadecanoic acid	17.45	250	J
3.	Unknown	20.86	270	J
4. 630-06-8	Hexatriacontane	27.31	300	J
5. 7098-22-8	Tetratetracontane	28.27	320	J
6. 7098-21-7	Tritetracontane	29.42	320	J
7.	Unknown	30.80	320	J
8.	Unknown	32.44	330	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31309

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080611.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	940	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31309

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080611.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	40	J
84-74-2	Di-n-butylphthalate	46	J
206-44-0	Fluoranthene	410	
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	150	J
117-81-7	Bis(2-Ethylhexyl)phthalate	55	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	300	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	200	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	75	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31309

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080611.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/6/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.22	970	B
2. 57-10-3	Hexadecanoic acid	17.49	240	J
3. 24656-61-9	7-Isoquinolinol, 1,2,3,4-tet	24.00	230	J
4. 77899-10-6	(Z)14-Tricosenyl formate	24.86	530	J
5. 544-85-4	Dotriacontane	25.15	290	J
6.	Unknown	25.33	880	J
7.	Unknown	25.62	770	J
8.	Unknown	25.80	270	J
9.	Unknown	27.14	230	J
10. 630-06-8	Hexatriacontane	27.34	240	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31309RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080717.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/8/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	940	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31309RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080717.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/8/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	n-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	95	J
120-12-7	Anthracene	38	J
84-74-2	Di-n-butylphthalate	41	J
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	300	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	150	J
117-81-7	Bis(2-Ethylhexyl)phthalate	61	J
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	280	J
207-08-9	Benzo(k)fluoranthene	190	J
50-32-8	Benzo(a)pyrene	220	J
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	74	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31309RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080717.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/8/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	1000	B
2.	Unknown	24.83	350	J
3.	Unknown	25.32	730	J
4.	Unknown	25.59	780	J
5. 630-06-8	Hexatriacontane	25.77	350	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080427.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 3 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	45	J
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	860	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080427.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 3 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	n-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	62	J
84-74-2	Di-n-butylphthalate	150	J
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	510	
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octyl phthalate	340	U
205-99-2	Benzo(b)fluoranthene	140	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	130	J
193-39-5	Indeno(1,2,3-cd)pyrene	35	J
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080427.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 3 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	5.07	1000	J
2. 138-86-3	Limonene	9.54	170	J
3. 26560-14-5	1,3,6,10-Dodecatetraene, 3,7	15.57	89	J
4. 128-37-0	Butylated Hydroxytoluene	16.52	70	J
5. 90-43-7	o-Hydroxybiphenyl	16.73	85	J
6. 629-78-7	Heptadecane	18.49	110	J
7. 57-10-3	Hexadecanoic acid	21.25	270	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30471RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080703.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 3 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-50-1	1,2-Dichlorobenzene	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	860	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	340	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30471RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080703.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 3 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	n-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	59	J
84-74-2	Di-n-butylphthalate	170	J
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	400	
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-Ethylhexyl)phthalate	81	J
117-84-0	Di-n-octyl phthalate	340	U
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	140	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	36	J
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5ARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30471RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080703.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 3 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 15 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	4.97	1000	J
2.	Unknown	6.13	74	J
3. 109-52-4	Pentanoic acid	8.49	140	J
4. 138-86-3	Limonene	9.47	160	J
5. 26560-14-5	1,3,6,10-Dodecatetraene, 3,7	15.50	86	J
6. 90-43-7	o-Hydroxybiphenyl	16.67	96	J
7. 629-78-7	Heptadecane	18.42	100	J
8. 57-10-3	Hexadecanoic acid	21.19	270	J
9.	Unknown	23.27	100	J
10.	Unknown	25.84	650	J
11. 593-45-3	Octadecane	27.33	170	J
12. 112-95-8	Eicosane	28.13	120	J
13. 630-01-3	Hexacosane	31.32	720	J
14.	Unknown	32.79	400	J
15. 544-85-4	Dotriacontane	34.54	450	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30472

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080408.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 26 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-50-1	1,2-Dichlorobenzene	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1100	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30472

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080408.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 26 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	690	
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1300	
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	230	J
84-74-2	Di-n-butylphthalate	260	J
206-44-0	Fluoranthene	48	J
129-00-0	Pyrene	68	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
117-81-7	Bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octyl phthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30472

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080408.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 15 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 7667-60-9	Cyclohexane, 1,2,4-trimethyl	6.25	1800	J
2.	Unknown	10.84	2100	J
3.	Unknown	10.93	1400	J
4.	Unknown	11.01	3400	J
5. 95-93-2	Benzene, 1,2,4,5-tetramethyl	11.10	1900	J
6. 6165-44-2	Cyclohexane, 1,1'-(1,4-butan	11.26	1400	J
7. 3178-29-8	Heptane, 4-propyl-	11.42	4100	J
8. 2980-69-0	Undecane, 4-methyl-	11.50	1500	J
9. 1560-06-1	Benzene, 2-butenyl-	11.62	3900	J
10.	Unknown	12.02	1800	J
11. 17301-23-4	Undecane, 2,6-dimethyl-	12.34	4100	J
12. 62238-12-4	Decane, 2,3,6-trimethyl-	12.45	1400	J
13. 1560-96-9	Tridecane, 2-methyl-	13.20	3600	J
14.	Unknown	13.82	1700	J
15.	Unknown	14.30	1700	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5BRE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30472RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080503.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 26 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-50-1	1,2-Dichlorobenzene	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1100	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5BRE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30472RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080503.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 26 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	710	
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	1300	
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	320	J
84-74-2	Di-n-butylphthalate	260	J
206-44-0	Fluoranthene	56	J
129-00-0	Pyrene	63	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
117-81-7	Bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octyl phthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5BRE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: _____ Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30472RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080503.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 15 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 1632-70-8	Undecane, 5-methyl-	10.84	2800	J
2.	Unknown	10.93	2100	J
3.	Unknown	11.01	4500	J
4. 95-93-2	Benzene, 1,2,4,5-tetramethyl	11.10	2500	J
5.	Unknown	11.28	5100	J
6. 3178-29-8	Heptane, 4-propyl-	11.42	5300	J
7. 2980-69-0	Undecane, 4-methyl-	11.50	1900	J
8.	Unknown	11.62	5000	J
9.	Unknown	12.02	2500	J
10. 17301-94-9	Nonane, 4-methyl-	12.34	7200	J
11. 62183-55-5	Octane, 3-ethyl-2,7-dimethyl	12.45	1900	J
12. 1560-96-9	Tridecane, 2-methyl-	13.20	4900	J
13.	Unknown	13.50	1800	J
14. 15869-86-0	Octane, 4-ethyl-	13.83	2400	J
15. 1678-93-9	Cyclohexane, butyl-	14.31	2200	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080511.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 16 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
65794-96-9	3+4-Methylphenols	54	J
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
65-85-0	Benzoic acid	990	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	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	990	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	400	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080511.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 16 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	n-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
84-74-2	Di-n-butylphthalate	130	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	40	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	Bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

IF

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-6A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: 030473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080511.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/5/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 14 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	5.06	1300	J
2.	Unknown	6.24	84	J
3. 79-34-5	Ethane, 1,1,2,2-tetrachloro-	7.56	93	J
4. 90-43-7	o-Hydroxybiphenyl	16.74	110	J
5. 57-10-3	Hexadecanoic acid	21.27	380	J
6.	Unknown	25.94	470	J
7. 112-95-8	Eicosane	27.43	110	J
8. 105-86-2	2,6-Octadien-1-ol, 3,7-dimet	28.68	300	J
9. 6418-45-7	Nonadecane, 3-methyl-	29.17	1200	J
10. 593-45-3	Octadecane	30.25	270	J
11.	Unknown	30.90	130	J
12. 54833-48-6	Heptadecane, 2,6,10,15-tetra	31.53	380	J
13.	Unknown	33.04	240	J
14. 638-36-8	Hexadecane, 2,6,10,14-tetram	34.84	210	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080407.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 22 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1100	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514ASP Site: RIVERSIDE Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080407.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 22 decanted: (Y/N): N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-butylphthalate	170	J
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	Bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octyl phthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-6B

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9514 Site: RIVERSI Location: Group: HC-1A

Matrix: (soil/water) SOIL Lab Sample ID: O30474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: L080407.D

Level: (low/med) LOW Date Received: 7/26/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 7/28/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/4/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 17 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	5.06	1100	J
2. 1072-05-5	Heptane, 2,6-dimethyl-	5.97	370	J
3. 926-82-9	Heptane, 3,5-dimethyl-	6.09	270	J
4. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	6.22	590	J
5. 7667-60-9	Cyclohexane, 1,2,4-trimethyl	6.47	330	J
6. 1678-81-5	Cyclohexane, 1,2,3-trimethyl	7.03	200	J
7. 5911-04-6	Nonane, 3-methyl-	7.79	430	J
8. 3178-29-8	Heptane, 4-propyl-	7.94	310	J
9. 4057-42-5	2-Octene, 2,6-dimethyl-	8.34	340	J
10. 109-52-4	Pentanoic acid	8.53	230	J
11. 74645-98-0	Dodecane, 2,7,10-trimethyl-	18.55	290	J
12. 57-10-3	Hexadecanoic acid	21.24	220	J
13. 25154-56-7	Nonacosanol	25.91	350	J
14.	Unknown	29.13	320	J
15. 7225-64-1	Heptadecane, 9-octyl-	30.20	400	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080710.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 21 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1100	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080710.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 21 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	n-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	59	J
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	Bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octyl phthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080710.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	1300	B
2. 57-10-3	Hexadecanoic acid	17.47	290	J
3. 7098-21-7	Tritetracontane	25.13	280	J
4. 544-85-4	Dotriacontane	25.75	350	J
5. 630-06-8	Hexatriacontane	26.48	410	J
6.	Unknown	27.30	470	J
7. 544-85-4	Dotriacontane	28.27	510	J
8.	Unknown	29.42	510	J
9. 630-07-9	Pentatriacontane	30.80	490	J
10.	Unknown	32.45	590	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-7A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31313

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080710.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	1300	J
2. 57-10-3	Hexadecanoic acid	17.47	290	J
3. 7098-21-7	Tritetracontane	25.13	280	J
4. 544-85-4	Dotriacontane	25.75	350	J
5. 630-06-8	Hexatriacontane	26.48	410	J
6.	Unknown	27.30	470	J
7. 544-85-4	Dotriacontane	28.27	510	J
8.	Unknown	29.42	510	J
9. 630-07-9	Pentatriacontane	30.80	490	J
10.	Unknown	32.45	590	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

O31310

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9606ASP Site: RIVERSIDE Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31310

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080703.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 19 decanted: (Y/N): N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	1000	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
O31310

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L960 Site: RIVERSI Location: Group: HC-4A

Matrix: (soil/water) SOIL Lab Sample ID: O31310

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080703.D

Level: (low/med) LOW Date Received: 8/2/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 8/3/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/7/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 108-88-3	Toluene	2.20	1000	B
2. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	3.29	340	J
3.	Unknown	6.86	280	J
4. 56253-64-6	Benzene, (2-methyl-1-butenyl	9.50	380	J
5. 17301-23-4	Undecane, 2,6-dimethyl-	9.65	380	J
6. 4292-75-5	Cyclohexane, hexyl-	9.99	310	J
7.	Unknown	10.16	290	J
8. 7045-71-8	Undecane, 2-methyl-	10.28	280	J
9. 2051-30-1	Octane, 2,6-dimethyl-	10.40	340	J
10. 2613-76-5	1H-Indene, 2,3-dihydro-1,1,3	10.75	330	J
11. 1122-82-3	Cyclohexane, isothiocyanato-	12.48	320	J
12. 18344-37-1	Heptadecane, 2,6,10,14-tetra	12.62	540	J
13. 55045-13-1	Tetradecane, 6,9-dimethyl-	14.55	460	J
14. 75163-97-2	Octadecane, 2,6-dimethyl-	15.09	590	J
15. 7098-21-7	Tritetracontane	26.47	320	J
16. 630-06-8	Hexatriacontane	27.30	340	J
17.	Unknown	28.28	380	J
18.	Unknown	29.43	380	J
19. 630-07-9	Pentatriacontane	30.79	350	J
20.	Unknown	32.44	360	J
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CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH**	**MATRIX:**	**SOIL**
Client ID:	**HC-1A**	**Date Extracted:**	**7/31/00**
Lab ID:	**30469/L9514ASP**	**Batch:**	**QP 289**
Filename:	**8CL0258.D**	**Date Analyzed:**	**2 Aug 2000 20:26**
Lab Project No:	**L9514ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		17
11104-28-2	AROCLOR 1221	U		17
11141-16-5	AROCLOR 1232	U		17
53469-21-9	AROCLOR 1242	U		17
12672-29-6	AROCLOR 1248	U		17
11097-69-1	AROCLOR 1254	U		17
11096-82-5	AROCLOR 1260	U		17

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **96%**

8/8/00

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH**	**MATRIX:**	**SOIL**
Client ID:	**HC-1B**	**Date Extracted:**	**7/31/00**
Lab ID:	**30470/L9514ASP**	**Batch:**	**QP 289**
Filename:	**8CL0259.D**	**Date Analyzed:**	**2 Aug 2000 21:15**
Lab Project No:	**L9514ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		20
11104-28-2	AROCLOR 1221	U		20
11141-16-5	AROCLOR 1232	U		20
53469-21-9	AROCLOR 1242	U		20
12672-29-6	AROCLOR 1248	U		20
11097-69-1	AROCLOR 1254	U		20
11096-82-5	AROCLOR 1260	U		20

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **85%**

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECH PARK	MATRIX:	SOIL
Client ID:	HC-2A	Date Extracted:	8/3/00
Lab ID:	31347/L9606ASP	Batch:	QP 300
Filename:	PC2115.D	Date Analyzed:	8/7/00
Lab Project No:	L9606ASP	DILUTION:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		19
11104-28-2	AROCLOR 1221	U		19
11141-16-5	AROCLOR 1232	U		19
53469-21-9	AROCLOR 1242	U		19
12672-29-6	AROCLOR 1248	U		19
11097-69-1	AROCLOR 1254	U		19
11096-82-5	AROCLOR 1260	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 89%

8/8/11

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-2B**	**Date Extracted:**	**8/3/00**
Lab ID:	**31348/L9606ASP**	**Batch:**	**QP 300**
Filename:	**PC2116.D**	**Date Analyzed:**	**8/7/00**
Lab Project No:	**L9606ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		22
11104-28-2	AROCLOR 1221	U		22
11141-16-5	AROCLOR 1232	U		22
53469-21-9	AROCLOR 1242	U		22
12672-29-6	AROCLOR 1248	U		22
11097-69-1	AROCLOR 1254	U		22
11096-82-5	AROCLOR 1260	U		22

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **77%**

8/8/11

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECH PARK	MATRIX:	SOIL
Client ID:	HC-3A	Date Extracted:	8/3/00
Lab ID:	31311/L9606ASP	Batch:	QP 300
Filename:	PC2108.D	Date Analyzed:	8/7/00
Lab Project No:	L9606ASP	DILUTION:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		24
11104-28-2	AROCLOR 1221	U		24
11141-16-5	AROCLOR 1232	U		24
53469-21-9	AROCLOR 1242	U		24
12672-29-6	AROCLOR 1248	U		24
11097-69-1	AROCLOR 1254	U		24
11096-82-5	AROCLOR 1260	U		24

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 70%

8/8/11

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-3B**	**Date Extracted:**	**8/3/00**
Lab ID:	**31312/L9606ASP**	**Batch:**	**QP 300**
Filename:	**PC2109.D**	**Date Analyzed:**	**8/7/00**
Lab Project No:	**L9606ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		21
11104-28-2	AROCLOR 1221	U		21
11141-16-5	AROCLOR 1232	U		21
53469-21-9	AROCLOR 1242	U		21
12672-29-6	AROCLOR 1248	U		21
11097-69-1	AROCLOR 1254	U		21
11096-82-5	AROCLOR 1260	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **80%**

8/8/11

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECH PARK	MATRIX:	SOIL
Client ID:	HC-4A	Date Extracted:	8/3/00
Lab ID:	31309/L9606ASP	Batch:	QP 300
Filename:	PC2106.D	Date Analyzed:	8/7/00
Lab Project No:	L9606ASP	DILUTION:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	40		19
11104-28-2	AROCLOR 1221	U		19
11141-16-5	AROCLOR 1232	U		19
53469-21-9	AROCLOR 1242	U		19
12672-29-6	AROCLOR 1248	U		19
11097-69-1	AROCLOR 1254	U		19
11096-82-5	AROCLOR 1260	40		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 89%

8/8/11

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-4B**	**Date Extracted:**	**8/3/00**
Lab ID:	**31310/L9606ASP**	**Batch:**	**QP 300**
Filename:	**PC2107.D**	**Date Analyzed:**	**8/7/00**
Lab Project No:	**L9606ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		21
11104-28-2	AROCLOR 1221	U		21
11141-16-5	AROCLOR 1232	U		21
53469-21-9	AROCLOR 1242	U		21
12672-29-6	AROCLOR 1248	U		21
11097-69-1	AROCLOR 1254	U		21
11096-82-5	AROCLOR 1260	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **81%**

8/8/11

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH**	**MATRIX:**	**SOIL**
Client ID:	**HC-5A**	**Date Extracted:**	**7/31/00**
Lab ID:	**30471/L9514ASP**	**Batch:**	**QP 289**
Filename:	**8CL0260.D**	**Date Analyzed:**	**2 Aug 2000 22:04**
Lab Project No:	**L9514ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		17
11104-28-2	AROCLOR 1221	U		17
11141-16-5	AROCLOR 1232	U		17
53469-21-9	AROCLOR 1242	U		17
12672-29-6	AROCLOR 1248	U		17
11097-69-1	AROCLOR 1254	U		17
11096-82-5	AROCLOR 1260	220		17

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **97%**

(8/8/)

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECH	MATRIX:	SOIL
Client ID:	HC-5B	Date Extracted:	7/31/00
Lab ID:	30472/L9514ASP	Batch:	QP 289
Filename:	8CL0261.D	Date Analyzed:	2 Aug 2000 22:53
Lab Project No:	L9514ASP	DILUTION:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		23
11104-28-2	AROCLOR 1221	U		23
11141-16-5	AROCLOR 1232	U		23
53469-21-9	AROCLOR 1242	U		23
12672-29-6	AROCLOR 1248	U		23
11097-69-1	AROCLOR 1254	U		23
11096-82-5	AROCLOR 1260	U		23

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 74%

8/8/00

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH**	**MATRIX:**	**SOIL**
Client ID:	**HC-6A**	**Date Extracted:**	**7/31/00**
Lab ID:	**30473/L9514ASP**	**Batch:**	**QP 289**
Filename:	**8CL0262.D**	**Date Analyzed:**	**2 Aug 2000 23:50**
Lab Project No:	**L9514ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		20
11104-28-2	AROCLOR 1221	U		20
11141-16-5	AROCLOR 1232	U		20
53469-21-9	AROCLOR 1242	U		20
12672-29-6	AROCLOR 1248	U		20
11097-69-1	AROCLOR 1254	U		20
11096-82-5	AROCLOR 1260	U		20

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **84%**

8/8/00

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH**	**MATRIX:**	**SOIL**
Client ID:	**HC-6B**	**Date Extracted:**	**7/31/00**
Lab ID:	**30474/L9514ASP**	**Batch:**	**QP 289**
Filename:	**8CL0266.D**	**Date Analyzed:**	**3 Aug 2000 3:13**
Lab Project No:	**L9514ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		21
11104-28-2	AROCLOR 1221	U		21
11141-16-5	AROCLOR 1232	U		21
53469-21-9	AROCLOR 1242	U		21
12672-29-6	AROCLOR 1248	U		21
11097-69-1	AROCLOR 1254	U		21
11096-82-5	AROCLOR 1260	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **78%**

8/8/00

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-7A**	**Date Extracted:**	**8/3/00**
Lab ID:	**31313/L9606ASP**	**Batch:**	**QP 300**
Filename:	**PC2110.D**	**Date Analyzed:**	**8/7/00**
Lab Project No:	**L9606ASP**	**DILUTION:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		21
11104-28-2	AROCLOR 1221	U		21
11141-16-5	AROCLOR 1232	U		21
53469-21-9	AROCLOR 1242	U		21
12672-29-6	AROCLOR 1248	U		21
11097-69-1	AROCLOR 1254	U		21
11096-82-5	AROCLOR 1260	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **79%**

8/8/11

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Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH**	**MATRIX:**	**SOIL**
Client ID:	**HC-1A**	**Date extracted:**	**7/31/00**
Lab ID:	**30469 5X/L9514ASP**	**Batch:**	**QP 295**
Filename:	**PS5015.D**	**Date Analyzed:**	**8/6/00**
Lab Project No:	**L9514ASP**	**Dilution:**	**5**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		3.5
58-89-9	gamma-BHC (Lindane)	U	U		3.5
76-44-8	Heptachlor	U	U		3.5
309-00-2	Aldrin	U	U		3.5
319-85-7	beta-BHC	U	U		3.5
319-86-8	delta-BHC	U	U		3.5
1024-57-3	Heptachlor epoxide	U	U		3.5
959-98-8	Endosulfan I	U	U		3.5
5103-71-9	gamma-Chlordane	U	U		3.5
5103-74-2	alpha-Chlordane	U	U		3.5
72-55-9	4,4'-DDE	U	U		3.5
60-57-1	Dieldrin	U	U		3.5
72-20-8	Endrin	U	U		3.5
33213-65-9	Endosulfan II	U	U		3.5
72-54-8	4,4'-DDD	U	U		3.5
50-29-3	4,4'-DDT	U	U		3.5
7421-93-4	Endrin aldehyde	U	U		3.5
1031-07-8	Endosulfan Sulfate	U	U		3.5
72-43-5	Methoxychlor	U	U		3.5
53494-70-5	Endrin ketone	U	U		3.5
57-74-9	Chlordane	U	U		87
8001-35-2	Toxaphene	U	U		87

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **96%**

8/8/0

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH
Client ID: HC-1B
Lab ID: 30470/L9514ASP
Filename: PS5010.D
Lab Project No: L9514ASP

MATRIX: SOIL
Date extracted: 7/31/00
Batch: QP 295
Date Analyzed: 8/6/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.8
58-89-9	gamma-BHC (Lindane)	U	U		0.8
76-44-8	Heptachlor	U	U		0.8
309-00-2	Aldrin	U	U		0.8
319-85-7	beta-BHC	U	U		0.8
319-86-8	delta-BHC	U	U		0.8
1024-57-3	Heptachlor epoxide	U	U		0.8
959-98-8	Endosulfan I	U	U		0.8
5103-71-9	gamma-Chlordane	U	U		0.8
5103-74-2	alpha-Chlordane	U	U		0.8
72-55-9	4,4'-DDE	U	U		0.8
60-57-1	Dieldrin	U	U		0.8
72-20-8	Endrin	U	U		0.8
33213-65-9	Endosulfan II	U	U		0.8
72-54-8	4,4'-DDD	U	U		0.8
50-29-3	4,4'-DDT	U	U		0.8
7421-93-4	Endrin aldehyde	U	U		0.8
1031-07-8	Endosulfan Sulfate	U	U		0.8
72-43-5	Methoxychlor	U	U		0.8
53494-70-5	Endrin ketone	U	U		0.8
57-74-9	Chlordane	U	U		20
8001-35-2	Toxaphene	U	U		20

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 85%

8/8/00

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Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-2A**	**Date extracted:**	**8/3/00**
Lab ID:	**31347/L9606ASP**	**Batch:**	**QP 299**
Filename:	**PS5063.D**	**Date Analyzed:**	**8/8/00**
Lab Project No:	**L9606ASP**	**Dilution:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.7
58-89-9	gamma-BHC (Lindane)	U	U		0.7
76-44-8	Heptachlor	U	U		0.7
309-00-2	Aldrin	U	U		0.7
319-85-7	beta-BHC	U	U		0.7
319-86-8	delta-BHC	U	U		0.7
1024-57-3	Heptachlor epoxide	U	U		0.7
959-98-8	Endosulfan I	U	U		0.7
5103-71-9	gamma-Chlordane	U	U		0.7
5103-74-2	alpha-Chlordane	U	U		0.7
72-55-9	4,4'-DDE	U	U		0.7
60-57-1	Dieldrin	U	U		0.7
72-20-8	Endrin	U	U		0.7
33213-65-9	Endosulfan II	U	U		0.7
72-54-8	4,4'-DDD	U	U		0.7
50-29-3	4,4'-DDT	U	U		0.7
7421-93-4	Endrin aldehyde	U	U		0.7
1031-07-8	Endosulfan Sulfate	U	U		0.7
72-43-5	Methoxychlor	U	U		0.7
53494-70-5	Endrin ketone	U	U		0.7
57-74-9	Chlordane	U	U		19
8001-35-2	Toxaphene	U	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **89%**

8/8/11

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Tabulated Analytical Report
PESTICIDES

Project Name:	RIVERSIDE TECH PARK	**MATRIX:**	SOIL
Client ID:	HC-2B	**Date extracted:**	8/3/00
Lab ID:	31348/L9606ASP	**Batch:**	QP 299
Filename:	PS5064.D	**Date Analyzed:**	8/8/00
Lab Project No:	L9606ASP	**Dilution:**	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.9
58-89-9	gamma-BHC (Lindane)	U	U		0.9
76-44-8	Heptachlor	U	U		0.9
309-00-2	Aldrin	U	U		0.9
319-85-7	beta-BHC	U	U		0.9
319-86-8	delta-BHC	U	U		0.9
1024-57-3	Heptachlor epoxide	U	U		0.9
959-98-8	Endosulfan I	U	U		0.9
5103-71-9	gamma-Chlordane	U	U		0.9
5103-74-2	alpha-Chlordane	U	U		0.9
72-55-9	4,4'-DDE	U	U		0.9
60-57-1	Dieldrin	U	U		0.9
72-20-8	Endrin	U	U		0.9
33213-65-9	Endosulfan II	U	U		0.9
72-54-8	4,4'-DDD	U	U		0.9
50-29-3	4,4'-DDT	U	U		0.9
7421-93-4	Endrin aldehyde	U	U		0.9
1031-07-8	Endosulfan Sulfate	U	U		0.9
72-43-5	Methoxychlor	U	U		0.9
53494-70-5	Endrin ketone	U	U		0.9
57-74-9	Chlordane	U	U		22
8001-35-2	Toxaphene	U	U		22

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 77%

8/8/11

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
Client ID: HC-3A
Lab ID: 31311/L9606ASP
Filename: PS5059.D
Lab Project No: L9606ASP

MATRIX: SOIL
Date extracted: 8/3/00
Batch: QP 299
Date Analyzed: 8/8/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		1.0
58-89-9	gamma-BHC (Lindane)	U	U		1.0
76-44-8	Heptachlor	U	U		1.0
309-00-2	Aldrin	U	U		1.0
319-85-7	beta-BHC	U	U		1.0
319-86-8	delta-BHC	U	U		1.0
1024-57-3	Heptachlor epoxide	U	U		1.0
959-98-8	Endosulfan I	U	U		1.0
5103-71-9	gamma-Chlordane	U	U		1.0
5103-74-2	alpha-Chlordane	U	U		1.0
72-55-9	4,4'-DDE	U	U		1.0
60-57-1	Dieldrin	U	U		1.0
72-20-8	Endrin	U	U		1.0
33213-65-9	Endosulfan II	U	U		1.0
72-54-8	4,4'-DDD	U	U		1.0
50-29-3	4,4'-DDT	U	U		1.0
7421-93-4	Endrin aldehyde	U	U		1.0
1031-07-8	Endosulfan Sulfate	U	U		1.0
72-43-5	Methoxychlor	U	U		1.0
53494-70-5	Endrin ketone	U	U		1.0
57-74-9	Chlordane	U	U		24
8001-35-2	Toxaphene	U	U		24

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 70%

8/8/11

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
Client ID: HC-3B
Lab ID: 31312/L9606ASP
Filename: PS5060.D
Lab Project No: L9606ASP

MATRIX: SOIL
Date extracted: 8/3/00
Batch: QP 299
Date Analyzed: 8/8/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.8
58-89-9	gamma-BHC (Lindane)	U	U		0.8
76-44-8	Heptachlor	U	U		0.8
309-00-2	Aldrin	U	U		0.8
319-85-7	beta-BHC	U	U		0.8
319-86-8	delta-BHC	U	U		0.8
1024-57-3	Heptachlor epoxide	U	U		0.8
959-98-8	Endosulfan I	U	U		0.8
5103-71-9	gamma-Chlordane	U	U		0.8
5103-74-2	alpha-Chlordane	U	U		0.8
72-55-9	4,4'-DDE	U	U		0.8
60-57-1	Dieldrin	U	U		0.8
72-20-8	Endrin	U	U		0.8
33213-65-9	Endosulfan II	U	U		0.8
72-54-8	4,4'-DDD	U	U		0.8
50-29-3	4,4'-DDT	U	U		0.8
7421-93-4	Endrin aldehyde	U	U		0.8
1031-07-8	Endosulfan Sulfate	U	U		0.8
72-43-5	Methoxychlor	U	U		0.8
53494-70-5	Endrin ketone	U	U		0.8
57-74-9	Chlordane	U	U		21
8001-35-2	Toxaphene	U	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 80%

8/8/00

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Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-4A**	**Date extracted:**	**8/3/00**
Lab ID:	**31309/L9606ASP**	**Batch:**	**QP 299**
Filename:	**PS5057.D**	**Date Analyzed:**	**8/8/00**
Lab Project No:	**L9606ASP**	**Dilution:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.7
58-89-9	gamma-BHC (Lindane)	U	U		0.7
76-44-8	Heptachlor	U	U		0.7
309-00-2	Aldrin	U	U		0.7
319-85-7	beta-BHC	U	U		0.7
319-86-8	delta-BHC	U	U		0.7
1024-57-3	Heptachlor epoxide	U	U		0.7
959-98-8	Endosulfan I	U	U		0.7
5103-71-9	gamma-Chlordane	U	U		0.7
5103-74-2	alpha-Chlordane	U	U		0.7
72-55-9	4,4'-DDE	U	U		0.7
60-57-1	Dieldrin	U	U		0.7
72-20-8	Endrin	U	U		0.7
33213-65-9	Endosulfan II	U	U		0.7
72-54-8	4,4'-DDD	U	U		0.7
50-29-3	4,4'-DDT	U	U		0.7
7421-93-4	Endrin aldehyde	U	U		0.7
1031-07-8	Endosulfan Sulfate	U	U		0.7
72-43-5	Methoxychlor	U	U		0.7
53494-70-5	Endrin ketone	U	U		0.7
57-74-9	Chlordane	U	U		19
8001-35-2	Toxaphene	U	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **89%**

8/8/11

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-4B**	**Date extracted:**	**8/3/00**
Lab ID:	**31310/L9606ASP**	**Batch:**	**QP 299**
Filename:	**PS5058.D**	**Date Analyzed:**	**8/8/00**
Lab Project No:	**L9606ASP**	**Dilution:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.8
58-89-9	gamma-BHC (Lindane)	U	U		0.8
76-44-8	Heptachlor	U	U		0.8
309-00-2	Aldrin	U	U		0.8
319-85-7	beta-BHC	U	U		0.8
319-86-8	delta-BHC	U	U		0.8
1024-57-3	Heptachlor epoxide	U	U		0.8
959-98-8	Endosulfan I	U	U		0.8
5103-71-9	gamma-Chlordane	U	U		0.8
5103-74-2	alpha-Chlordane	U	U		0.8
72-55-9	4,4'-DDE	U	U		0.8
60-57-1	Dieldrin	U	U		0.8
72-20-8	Endrin	U	U		0.8
33213-65-9	Endosulfan II	U	U		0.8
72-54-8	4,4'-DDD	U	U		0.8
50-29-3	4,4'-DDT	U	U		0.8
7421-93-4	Endrin aldehyde	U	U		0.8
1031-07-8	Endosulfan Sulfate	U	U		0.8
72-43-5	Methoxychlor	U	U		0.8
53494-70-5	Endrin ketone	U	U		0.8
57-74-9	Chlordane	U	U		21
8001-35-2	Toxaphene	U	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **81%**

8/8/11

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH
Client ID: HC-5A
Lab ID: 30471 5X/L9514ASP
Filename: PS5014.D
Lab Project No: L9514ASP

MATRIX: SOIL
Date extracted: 7/31/00
Batch: QP 295
Date Analyzed: 8/6/00
Dilution: 5
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		3.4
58-89-9	gamma-BHC (Lindane)	U	U		3.4
76-44-8	Heptachlor	U	U		3.4
309-00-2	Aldrin	U	U		3.4
319-85-7	beta-BHC	U	U		3.4
319-86-8	delta-BHC	U	U		3.4
1024-57-3	Heptachlor epoxide	U	U		3.4
959-98-8	Endosulfan I	U	U		3.4
5103-71-9	gamma-Chlordane	U	U		3.4
5103-74-2	alpha-Chlordane	U	U		3.4
72-55-9	4,4'-DDE	U	U		3.4
60-57-1	Dieldrin	U	U		3.4
72-20-8	Endrin	U	U		3.4
33213-65-9	Endosulfan II	U	U		3.4
72-54-8	4,4'-DDD	11	14		3.4
50-29-3	4,4'-DDT	U	U		3.4
7421-93-4	Endrin aldehyde	11	10		3.4
1031-07-8	Endosulfan Sulfate	U	U		3.4
72-43-5	Methoxychlor	U	U		3.4
53494-70-5	Endrin ketone	U	U		3.4
57-74-9	Chlordane	U	U		86
8001-35-2	Toxaphene	U	U		86

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 97%

8/8/0

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH
Client ID: HC-5B
Lab ID: 30472/L9514ASP
Filename: PS5011.D
Lab Project No: L9514ASP

MATRIX: SOIL
Date extracted: 7/31/00
Batch: QP 295
Date Analyzed: 8/6/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.9
58-89-9	gamma-BHC (Lindane)	U	U		0.9
76-44-8	Heptachlor	U	U		0.9
309-00-2	Aldrin	U	U		0.9
319-85-7	beta-BHC	U	U		0.9
319-86-8	delta-BHC	U	U		0.9
1024-57-3	Heptachlor epoxide	U	U		0.9
959-98-8	Endosulfan I	U	U		0.9
5103-71-9	gamma-Chlordane	U	U		0.9
5103-74-2	alpha-Chlordane	U	U		0.9
72-55-9	4,4'-DDE	U	U		0.9
60-57-1	Dieldrin	U	U		0.9
72-20-8	Endrin	U	U		0.9
33213-65-9	Endosulfan II	U	U		0.9
72-54-8	4,4'-DDD	U	U		0.9
50-29-3	4,4'-DDT	U	U		0.9
7421-93-4	Endrin aldehyde	U	U		0.9
1031-07-8	Endosulfan Sulfate	U	U		0.9
72-43-5	Methoxychlor	U	U		0.9
53494-70-5	Endrin ketone	U	U		0.9
57-74-9	Chlordane	U	U		23
8001-35-2	Toxaphene	U	U		23

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 74%

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH
Client ID: HC-6A
Lab ID: 30473 5X/L9514ASP
Filename: PS5013.D
Lab Project No: L9514ASP

MATRIX: SOIL
Date extracted: 7/31/00
Batch: QP 295
Date Analyzed: 8/6/00
Dilution: 5
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		4.0
58-89-9	gamma-BHC (Lindane)	U	U		4.0
76-44-8	Heptachlor	U	U		4.0
309-00-2	Aldrin	U	U		4.0
319-85-7	beta-BHC	U	U		4.0
319-86-8	delta-BHC	U	U		4.0
1024-57-3	Heptachlor epoxide	U	U		4.0
959-98-8	Endosulfan I	U	U		4.0
5103-71-9	gamma-Chlordane	U	U		4.0
5103-74-2	alpha-Chlordane	U	U		4.0
72-55-9	4,4'-DDE	U	U		4.0
60-57-1	Dieldrin	U	U		4.0
72-20-8	Endrin	U	U		4.0
33213-65-9	Endosulfan II	U	U		4.0
72-54-8	4,4'-DDD	U	U		4.0
50-29-3	4,4'-DDT	U	U		4.0
7421-93-4	Endrin aldehyde	U	U		4.0
1031-07-8	Endosulfan Sulfate	U	U		4.0
72-43-5	Methoxychlor	U	U		4.0
53494-70-5	Endrin ketone	U	U		4.0
57-74-9	Chlordane	U	U		99
8001-35-2	Toxaphene	U	U		99

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 84%

8/8/

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH
Client ID: HC-6B
Lab ID: 30474/L9514ASP
Filename: PS5012.D
Lab Project No: L9514ASP

MATRIX: SOIL
Date extracted: 7/31/00
Batch: QP 295
Date Analyzed: 8/6/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.9
58-89-9	gamma-BHC (Lindane)	U	U		0.9
76-44-8	Heptachlor	U	U		0.9
309-00-2	Aldrin	U	U		0.9
319-85-7	beta-BHC	U	U		0.9
319-86-8	delta-BHC	U	U		0.9
1024-57-3	Heptachlor epoxide	U	U		0.9
959-98-8	Endosulfan I	U	U		0.9
5103-71-9	gamma-Chlordane	U	U		0.9
5103-74-2	alpha-Chlordane	U	U		0.9
72-55-9	4,4'-DDE	U	U		0.9
60-57-1	Dieldrin	U	U		0.9
72-20-8	Endrin	U	U		0.9
33213-65-9	Endosulfan II	U	U		0.9
72-54-8	4,4'-DDD	U	U		0.9
50-29-3	4,4'-DDT	U	U		0.9
7421-93-4	Endrin aldehyde	U	U		0.9
1031-07-8	Endosulfan Sulfate	U	U		0.9
72-43-5	Methoxychlor	U	U		0.9
53494-70-5	Endrin ketone	U	U		0.9
57-74-9	Chlordane	U	U		21
8001-35-2	Toxaphene	U	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 78%

8/8/00

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH PARK**	**MATRIX:**	**SOIL**
Client ID:	**HC-7A**	**Date extracted:**	**8/3/00**
Lab ID:	**31313/L9606ASP**	**Batch:**	**QP 299**
Filename:	**PS5061.D**	**Date Analyzed:**	**8/8/00**
Lab Project No:	**L9606ASP**	**Dilution:**	**1**
		Analyst:	**AA**

CAS #	COMPOUNDS	RESULTS (ug/Kg)		Q	MDL
		PRIMARY	CONFIRMATION		MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.8
58-89-9	gamma-BHC (Lindane)	U	U		0.8
76-44-8	Heptachlor	U	U		0.8
309-00-2	Aldrin	U	U		0.8
319-85-7	beta-BHC	U	U		0.8
319-86-8	delta-BHC	U	U		0.8
1024-57-3	Heptachlor epoxide	U	U		0.8
959-98-8	Endosulfan I	U	U		0.8
5103-71-9	gamma-Chlordane	U	U		0.8
5103-74-2	alpha-Chlordane	U	U		0.8
72-55-9	4,4'-DDE	U	U		0.8
60-57-1	Dieldrin	U	U		0.8
72-20-8	Endrin	U	U		0.8
33213-65-9	Endosulfan II	U	U		0.8
72-54-8	4,4'-DDD	U	U		0.8
50-29-3	4,4'-DDT	U	U		0.8
7421-93-4	Endrin aldehyde	U	U		0.8
1031-07-8	Endosulfan Sulfate	U	U		0.8
72-43-5	Methoxychlor	U	U		0.8
53494-70-5	Endrin ketone	U	U		0.8
57-74-9	Chlordane	U	U		21
8001-35-2	Toxaphene	U	U		21

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS **79%**

8/8/11

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-1A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): SOIL Lab Sample ID: 30469S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 96.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3050			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	24.1	B		P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	0.08	U		P
7440-70-2	Calcium	32300		E	P
7440-47-3	Chromium	5.2			P
7440-48-4	Cobalt	4.1	B		P
7440-50-8	Copper	14.8			P
7439-89-6	Iron	10200		E	P
7439-92-1	Lead	14.4			P
7439-95-4	Magnesium	9100			P
7439-96-5	Manganese	253		E	P
7439-97-6	Mercury	0.03	B	*	CV
7440-02-0	Nickel	11.1			P
7440-09-7	Potassium	580	B		P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.19	B	N	P
7440-23-5	Sodium	152	B		P
7440-28-0	Thallium	0.48	U		P
7440-62-2	Vanadium	8.1	B		P
7440-66-6	Zinc	44.3			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-1B

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): SOIL Lab Sample ID: 30470S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 85.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8810			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	9.8			P
7440-39-3	Barium	48.1			P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	1290		E	P
7440-47-3	Chromium	12.4			P
7440-48-4	Cobalt	11.2	B		P
7440-50-8	Copper	14.8			P
7439-89-6	Iron	26200		E	P
7439-92-1	Lead	10.2			P
7439-95-4	Magnesium	3090			P
7439-96-5	Manganese	237		E	P
7439-97-6	Mercury	0.16		*	CV
7440-02-0	Nickel	20.2			P
7440-09-7	Potassium	700	B		P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.14	U	N	P
7440-23-5	Sodium	112	B		P
7440-28-0	Thallium	2.0	B		P
7440-62-2	Vanadium	20.9			P
7440-66-6	Zinc	67.3			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-3A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): SOIL Lab Sample ID: 31311SS

Level (low/med): LOW Date Received: 08/02/00

% Solids: 70.3

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7770			P
7440-36-0	Antimony	1.4	U		P
7440-38-2	Arsenic	5.3			P
7440-39-3	Barium	39.1	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.11	U		P
7440-70-2	Calcium	9700			P
7440-47-3	Chromium	12.0			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	22.1			P
7439-89-6	Iron	20300			P
7439-92-1	Lead	15.9			P
7439-95-4	Magnesium	4750			P
7439-96-5	Manganese	476			P
7439-97-6	Mercury	0.07	U	N	CV
7440-02-0	Nickel	17.6			P
7440-09-7	Potassium	956	B	E	P
7782-49-2	Selenium	0.61	U		P
7440-22-4	Silver	0.64	B		P
7440-23-5	Sodium	253	B		P
7440-28-0	Thallium	0.64	U		P
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	60.5			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-3B

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): SOIL Lab Sample ID: 31312SS

Level (low/med): LOW Date Received: 08/02/00

% Solids: 79.3

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13400			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	13.1			P
7440-39-3	Barium	94.6			P
7440-41-7	Beryllium	0.95	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	2170			P
7440-47-3	Chromium	19.0			P
7440-48-4	Cobalt	14.9			P
7440-50-8	Copper	23.7			P
7439-89-6	Iron	35100			P
7439-92-1	Lead	16.5			P
7439-95-4	Magnesium	4050			P
7439-96-5	Manganese	292			P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	25.9			P
7440-09-7	Potassium	1000	B	E	P
7782-49-2	Selenium	0.55	U		P
7440-22-4	Silver	0.89	B		P
7440-23-5	Sodium	168	B		P
7440-28-0	Thallium	1.4	B		P
7440-62-2	Vanadium	30.2			P
7440-66-6	Zinc	79.6			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FC-4A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED . Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): SOIL Lab Sample ID: 31309SS

Level (low/med): LOW Date Received: 08/02/00

% Solids: 89.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7710			P
7440-36-0	Antimony	1.2	B		P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	57.1			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.63	B		P
7440-70-2	Calcium	24400			P
7440-47-3	Chromium	16.4			P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	34.2			P
7439-89-6	Iron	18800			P
7439-92-1	Lead	35.2			P
7439-95-4	Magnesium	11500			P
7439-96-5	Manganese	585			P
7439-97-6	Mercury	0.21		N	CV
7440-02-0	Nickel	17.9			P
7440-09-7	Potassium	949	B	E	P
7782-49-2	Selenium	0.49	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	69.0	U		P
7440-28-0	Thallium	0.60	B		P
7440-62-2	Vanadium	18.1			P
7440-66-6	Zinc	94.4			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-SB 4525117

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): SOIL Lab Sample ID: 31310SS

Level (low/med): LOW Date Received: 08/02/00

% Solids: 81.3

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9650			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	5.2			P
7440-39-3	Barium	49.2			P
7440-41-7	Beryllium	0.53	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	2380			P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	17.6			P
7439-89-6	Iron	22600			P
7439-92-1	Lead	11.8			P
7439-95-4	Magnesium	3370			P
7439-96-5	Manganese	218			P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	20.3			P
7440-09-7	Potassium	1180	B	E	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.63	B		P
7440-23-5	Sodium	222	B		P
7440-28-0	Thallium	0.56	B		P
7440-62-2	Vanadium	23.1			P
7440-66-6	Zinc	60.5			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-5A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): SOIL Lab Sample ID: 30471S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 96.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6220			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	3.5			P
7440-39-3	Barium	53.6			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	0.96	B		P
7440-70-2	Calcium	7770		E	P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	31.7			P
7439-89-6	Iron	16300		E	P
7439-92-1	Lead	30.3			P
7439-95-4	Magnesium	4420			P
7439-96-5	Manganese	345		E	P
7439-97-6	Mercury	0.31		*	CV
7440-02-0	Nickel	19.3			P
7440-09-7	Potassium	689	B		P
7782-49-2	Selenium	0.45	U		P
7440-22-4	Silver	1.2	B	N	P
7440-23-5	Sodium	104	B		P
7440-28-0	Thallium	1.4	B		P
7440-62-2	Vanadium	15.0			P
7440-66-6	Zinc	90.0			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

HC-5B

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): SOIL Lab Sample ID: 30472S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 73.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5080			P
7440-36-0	Antimony	1.3	U		P
7440-38-2	Arsenic	6.2			P
7440-39-3	Barium	36.9	B		P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.11	U		P
7440-70-2	Calcium	2680		E	P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Copper	22.6			P
7439-89-6	Iron	15700		E	P
7439-92-1	Lead	13.5			P
7439-95-4	Magnesium	1720			P
7439-96-5	Manganese	1400		E	P
7439-97-6	Mercury	0.07	U	*	CV
7440-02-0	Nickel	14.6			P
7440-09-7	Potassium	570	B		P
7782-49-2	Selenium	0.58	U		P
7440-22-4	Silver	0.16	U	N	P
7440-23-5	Sodium	205	B		P
7440-28-0	Thallium	1.6	B		P
7440-62-2	Vanadium	28.3			P
7440-66-6	Zinc	51.0			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-6A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): SOIL Lab Sample ID: 30473S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 84.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	53.6			P
7440-39-3	Barium	53.6			P
7440-41-7	Beryllium	0.63	B		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	3180		E	P
7440-47-3	Chromium	15.6			P
7440-48-4	Cobalt	10.1	B		P
7440-50-8	Copper	27.7			P
7439-89-6	Iron	26300		E	P
7439-92-1	Lead	253			P
7439-95-4	Magnesium	3860			P
7439-96-5	Manganese	617		E	P
7439-97-6	Mercury	0.06	U	*	CV
7440-02-0	Nickel	21.7			P
7440-09-7	Potassium	1480			P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.17	B	N	P
7440-23-5	Sodium	137	B		P
7440-28-0	Thallium	0.53	U		P
7440-62-2	Vanadium	25.2			P
7440-66-6	Zinc	134			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

HC-6B

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): SOIL Lab Sample ID: 30474S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 77.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4250			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	21.9	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	31700		E	P
7440-47-3	Chromium	6.6			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	19.9			P
7439-89-6	Iron	14400		E	P
7439-92-1	Lead	10.8			P
7439-95-4	Magnesium	19400			P
7439-96-5	Manganese	1270		E	P
7439-97-6	Mercury	0.06	U	*	CV
7440-02-0	Nickel	15.7			P
7440-09-7	Potassium	901	B		P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.15	U	N	P
7440-23-5	Sodium	220	B		P
7440-28-0	Thallium	1.5	B		P
7440-62-2	Vanadium	16.4			P
7440-66-6	Zinc	49.8			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-7A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): SOIL Lab Sample ID: 31313SS

Level (low/med): LOW Date Received: 08/02/00

% Solids: 78.9

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8130			P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	3.5			P
7440-39-3	Barium	43.6	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	3340			P
7440-47-3	Chromium	12.3			P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	18.0			P
7439-89-6	Iron	20200			P
7439-92-1	Lead	10.1			P
7439-95-4	Magnesium	3260			P
7439-96-5	Manganese	468			P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	18.9			P
7440-09-7	Potassium	684	B	E	P
7782-49-2	Selenium	1.0	B		P
7440-22-4	Silver	0.52	B		P
7440-23-5	Sodium	282	B		P
7440-28-0	Thallium	2.7			P
7440-62-2	Vanadium	19.1			P
7440-66-6	Zinc	58.2			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSEBLANK1

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): WATER Lab Sample ID: 31314WS

Level (low/med): LOW Date Received: 08/02/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.7	B		P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	1.2	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	170	B		P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	0.70	U		P
7439-89-6	Iron	67.9	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	13.6	U		P
7439-96-5	Manganese	2.5	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	49.7	U		P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	308	U		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	25.4			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSEBLANK2

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): WATER Lab Sample ID: 31315S

Level (low/med): LOW Date Received: 08/02/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.2	U		P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	1.1	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	67.1	B		P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	2.6	B		P
7439-89-6	Iron	52.7	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	13.6	U		P
7439-96-5	Manganese	2.0	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	49.7	U		P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.64	B		P
7440-23-5	Sodium	308	U		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	25.6			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSEBLANK3

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): WATER Lab Sample ID: 31316S

Level (low/med): LOW Date Received: 08/02/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	215			P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	3.9	B		P
7440-39-3	Barium	3.0	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	1610	B		P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	613			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	125	B		P
7439-96-5	Manganese	21.1			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	117	B		P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	308	U		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	25.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSEBLANK4

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9606

Matrix (soil/water): WATER Lab Sample ID: 31317S

Level (low/med): LOW Date Received: 08/02/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1450			P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	14.7	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	2830	B		P
7440-47-3	Chromium	2.3	B		P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	5760			P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	728	B		P
7439-96-5	Manganese	99.4			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	556	B		P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	308	U		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	2.5	B		P
7440-66-6	Zinc	32.6			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/11/00

PROJECT # L9514ASP

SAMPLE NUMBER- 30469 SAMPLE ID- HC-1A
DATE SAMPLED- 07/24/00 SAMPLER- CLIENT
DATE RECEIVED- 07/26/00 TIME RECEIVED- 1000
DELIVERED BY- FEDES RECEIVED BY- SG SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	130	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	190	mg/kg
NITRATE	353.2	08/02/00		PHM	<5.2	mg/kg
SOLIDS, PERCENT	EPA 160.3	07/28/00		NP	96.4	%
CYANIDE	335.2	08/03/00		SA	<0.52	mg/kg
SULFATE	EPA 375.4	08/01/00		PHM	<10.0	mg/kg

LABORATORY DIRECTOR KB

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/11/00

PROJECT # L9514ASP

SAMPLE NUMBER- 30470 SAMPLE ID- HC-1B
DATE SAMPLED- 07/24/00 SAMPLER- CLIENT
DATE RECEIVED- 07/26/00 TIME RECEIVED- 1000
DELIVERED BY- FEDES RECEIVED BY- SG SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	150	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	94	mg/kg
NITRATE	353.2	08/02/00		PHM	<5.9	mg/kg
SOLIDS, PERCENT	EPA 160.3	07/28/00		NP	85.1	%
CYANIDE	335.2	08/03/00		SA	<0.59	mg/kg
SULFATE	EPA 375.4	08/01/00		PHM	950	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/17/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31347 SAMPLE ID- HC-2A
DATE SAMPLED- 07/31/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	140	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	220	mg/kg
NITRATE	353.2	08/07/00		PHM	<5.6	mg/kg
SULFATE	375.4	08/08/00		JKV	96	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/07/00		KH	89.3	%
CYANIDE	335.2	08/09/00		SA	<0.56	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/17/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31348 SAMPLE ID- HC-2B
DATE SAMPLED- 07/31/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	34	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	3600	mg/kg
NITRATE	353.2	08/07/00		PHM	<6.5	mg/kg
SULFATE	375.4	08/08/00		JKV	210	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/07/00		KH	77.3	%
CYANIDE	335.2	08/09/00		SA	<0.65	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/14/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31311 SAMPLE ID- HC-3A
DATE SAMPLED- 07/28/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	500	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	380	mg/kg
NITRATE	353.2	08/07/00		PHM	<7.1	mg/kg
SULFATE	375.4	08/08/00		JKV	110	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/03/00		KH	70.3	%
CYANIDE	335.2	08/09/00		SA	<0.71	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/14/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31312 SAMPLE ID- HC-3B
DATE SAMPLED- 07/28/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	230	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	92	mg/kg
NITRATE	353.2	08/07/00		PHM	6.4	mg/kg
SULFATE	375.4	08/08/00		JKV	<13	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/03/00		KH	79.8	%
CYANIDE	335.2	08/09/00		SA	<0.63	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/14/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31309 SAMPLE ID- HC-4A
DATE SAMPLED- 07/27/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	110	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	560	mg/kg
NITRATE	353.2	08/07/00		PHM	<5.6	mg/kg
SULFATE	375.4	08/08/00		JKV	433	mg/KG
SOLIDS, PERCENT	EPA 160.3	08/03/00		KH	89.2	%
CYANIDE	335.2	08/09/00		SA	<0.56	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/14/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31310 SAMPLE ID- HC-4B
DATE SAMPLED- 07/27/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	190	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	310	mg/kg
NITRATE	353.2	08/07/00		PHM	<6.2	mg/kg
SULFATE	375.4	08/08/00		JKV	<12	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/03/00		KH	81.3	%
CYANIDE	335.2	08/09/00		SA	<0.62	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/11/00

PROJECT # L9514ASP

SAMPLE NUMBER- 30471 SAMPLE ID- HC-5A
DATE SAMPLED- 07/25/00 SAMPLER- CLIENT
DATE RECEIVED- 07/26/00 TIME RECEIVED- 1000
DELIVERED BY- FEDES RECEIVED BY- SG SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	100	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	260	mg/kg
NITRATE	353.2	08/02/00		PHM	<5.2	mg/kg
SOLIDS, PERCENT	EPA 160.3	07/28/00		NP	96.8	%
CYANIDE	335.2	08/03/00		SA	<0.52	mg/kg
SULFATE	EPA 375.4	08/01/00		PHM	220	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/11/00

PROJECT # L9514ASP

SAMPLE NUMBER- 30472 SAMPLE ID- HC-5B
DATE SAMPLED- 07/25/00 SAMPLER- CLIENT
DATE RECEIVED- 07/26/00 TIME RECEIVED- 1000
DELIVERED BY- FEDES RECEIVED BY- SG SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	280	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	3000	mg/kg
NITRATE	353.2	08/02/00		PHM	<6.8	mg/kg
SOLIDS, PERCENT	EPA 160.3	07/28/00		NP	73.8	%
CYANIDE	335.2	08/03/00		SA	<0.68	mg/kg
SULFATE	EPA 375.4	08/01/00		PHM	960	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/11/00

PROJECT # L9514ASP

SAMPLE NUMBER- 30473 SAMPLE ID- HC-6A
DATE SAMPLED- 07/25/00 SAMPLER- CLIENT
DATE RECEIVED- 07/26/00 TIME RECEIVED- 1000
DELIVERED BY- FEDES RECEIVED BY- SG SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	97	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	380	mg/kg
NITRATE	353.2	08/02/00		PHM	<5.9	mg/kg
SOLIDS, PERCENT	EPA 160.3	07/28/00		NP	84.2	%
CYANIDE	335.2	08/03/00		SA	<0.59	mg/kg
SULFATE	EPA 375.4	08/01/00		PHM	<12.0	mg/kg

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/11/00

PROJECT # L9514ASP

SAMPLE NUMBER- 30474 SAMPLE ID- HC-6B
DATE SAMPLED- 07/25/00 SAMPLER- CLIENT
DATE RECEIVED- 07/26/00 TIME RECEIVED- 1000
DELIVERED BY- FEDES RECEIVED BY- SG SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	130	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	140	mg/kg
NITRATE	353.2	08/02/00		PHM	<6.4	mg/kg
SOLIDS, PERCENT	EPA 160.3	07/28/00		NP	77.7	%
CYANIDE	335.2	08/03/00		SA	<0.64	mg/kg
SULFATE	EPA 375.4	08/01/00		PHM	220	mg/kg

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REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/14/00

PROJECT # L9606 ASP

SAMPLE NUMBER- 31313 SAMPLE ID- HC-7A
DATE SAMPLED- 07/28/00 SAMPLER- CLIENT
DATE RECEIVED- 08/02/00 TIME RECEIVED- 1000
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	410	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	220	mg/kg
NITRATE	353.2	08/07/00		PHM	<6.3	mg/kg
SULFATE	375.4	08/08/00		JKV	<13	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/03/00		KH	78.9	%
CYANIDE	335.2	08/09/00		SA	<0.63	mg/kg

LABORATORY DIRECTOR _____

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

RINSEBLANK

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9514

Matrix (soil/water): WATER Lab Sample ID: 30475S

Level (low/med): LOW Date Received: 07/26/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.2	U		P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	0.36	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	117	B		P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	0.70	U		P
7439-89-6	Iron	47.1	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	13.6	U		P
7439-96-5	Manganese	1.6	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	49.7	U		P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	308	U		P
7440-28-0	Thallium	3.0	B		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	13.8	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECHNOLOGY PARK
PROJECT # 99-158.01

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207
518-432-9021

CHEMTECH PROJECT # **L9668ASP**
ATTENTION **STEPHEN B.LE FEVRE**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AA

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31621

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3445.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: not dec. 13 Date Analyzed: 8/17/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
67-64-1	Acetone	5.7	U
75-15-0	Carbon Disulfide	5.7	U
75-09-2	Methylene Chloride	5.2	J
108-0504	Vinyl Acetate	29	U
540-59-0	1,2-Dichloroethene Total	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
78-93-3	2-Butanone	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
108-10-1	4-Methyl-2-Pentanone	5.7	U
108-88-3	Toluene	5.7	U
10061-02-6	t-1,3-Dichloropropene	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
110-75-8	2-Chloroethyl Vinyl ether	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
591-78-6	2-Hexanone	5.7	U
124-48-1	Dibromochloromethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethyl Benzene	5.7	U
1330-20-7	Total Xylenes	5.7	U
95-47-6	o-Xylene	5.7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AA

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31621

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3445.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: not dec. 13 Date Analyzed: 8/17/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31621RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3446.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: not dec. 13 Date Analyzed: 8/17/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-2AARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9668AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31621RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D3446.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: not dec. 13 Date Analyzed: 8/17/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	3.27	5.8	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BB

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31622

Sample wt/vol: 4.0 (g/mL) G Lab File ID: A5582.D

Level: (low/med) MED Date Received: 8/5/00

% Moisture: not dec. 12 Date Analyzed: 8/18/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1400	U
75-01-4	Vinyl Chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
75-35-4	1,1-Dichloroethene	1400	U
67-64-1	Acetone	1400	U
75-15-0	Carbon Disulfide	1400	U
75-09-2	Methylene Chloride	1400	U
108-0504	Vinyl Acetate	7100	U
540-59-0	1,2-Dichloroethene Total	1400	U
75-34-3	1,1-Dichloroethane	1400	U
78-93-3	2-Butanone	1400	U
67-66-3	Chloroform	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbon Tetrachloride	1400	U
71-43-2	Benzene	1400	U
107-06-2	1,2-Dichloroethane	1400	U
79-01-6	Trichloroethene	1400	U
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
108-10-1	4-Methyl-2-Pentanone	1400	U
108-88-3	Toluene	1400	U
10061-02-6	t-1,3-Dichloropropene	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
110-75-8	2-Chloroethyl Vinyl ether	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
591-78-6	2-Hexanone	1400	U
124-48-1	Dibromochloromethane	1400	U
127-18-4	Tetrachloroethene	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethyl Benzene	25000	
1330-20-7	Total Xylenes	89000	
95-47-6	o-Xylene	3600	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BB

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31622

Sample wt/vol: 4.0 (g/mL) G Lab File ID: A5582.D

Level: (low/med) MED Date Received: 8/5/00

% Moisture: not dec. 12 Date Analyzed: 8/18/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
100-42-5	Styrene	1400	U
75-25-2	Bromoform	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U

1E

SAMPLE NO.

HC-2BB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. L9668AS Site: N.Y. Location: RIVERSIDE PARK Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O31622

Sample wt/vol: 4.0 (g/mL) G Lab File ID: A5582.D

Level: (low/med) MED Date Received: 8/5/00

% Moisture: not dec. 12 Date Analyzed: 8/18/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	12.02	23000	J
2. 108-87-2	Cyclohexane, methyl-	13.64	36000	J
3. 592-27-8	Heptane, 2-methyl-	15.91	35000	J
4.	Unknown	16.30	26000	J
5. 591-21-9	Cyclohexane, 1,3-dimethyl-	16.68	29000	J
6.	Unknown	17.57	25000	J
7. 1678-91-7	Cyclohexane, ethyl-	19.19	20000	J
8. 13395-76-1	Cyclohexanone, 2,3-dimethyl-	22.94	33000	J
9. 611-14-3	Benzene, 1-ethyl-2-methyl-	24.67	25000	J
10. 526-73-8	Benzene, 1,2,3-trimethyl-	25.79	27000	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AA

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31621

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080909.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 13 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/9/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	960	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AA

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31621

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080909.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 13 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/9/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	59	J
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	79	J
218-01-9	Chrysene	67	J
117-81-7	Bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	59	J
207-08-9	Benzo(k)fluoranthene	72	J
50-32-8	Benzo(a)pyrene	79	J
193-39-5	Indeno(1,2,3-cd)pyrene	49	J
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	53	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-2AA

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668 Site: RIVERSI Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31621

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080909.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/9/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 57-10-3	Hexadecanoic acid	17.44	230	J
2. 630-07-9	Pentatriacontane	25.09	210	J
3. 7098-21-7	Tritetracontane	25.71	260	J
4. 544-85-4	Dotriacontane	26.43	300	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31621RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J081028.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 13 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	960	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2AARE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31621RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J081028.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 13 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	n-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	75	J
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	88	J
218-01-9	Chrysene	77	J
117-81-7	Bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	72	J
207-08-9	Benzo(k)fluoranthene	71	J
50-32-8	Benzo(a)pyrene	78	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

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SAMPLE NO.

HC-2AARE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668 Site: RIVERSI Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31621RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J081028.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 14 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 57-10-3	Hexadecanoic acid	21.20	280	J
2.	Unknown	27.34	77	J
3. 593-45-3	Octadecane	29.00	96	J
4. 7098-22-8	Tetratetracontane	30.55	250	J
5.	Unknown	31.29	350	J
6. 630-06-8	Hexatriacontane	31.99	410	J
7. 630-07-9	Pentatriacontane	32.75	490	J
8. 112-95-8	Eicosane	33.61	500	J
9.	Unknown	34.58	510	J
10. 7098-21-7	Tritetracontane	35.73	540	J
11.	Unknown	37.10	460	J
12.	Unknown	37.26	160	J
13. 630-02-4	Octacosane	38.73	430	J
14. 629-97-0	Docosane	40.68	320	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BB

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31622

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080908.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/9/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	950	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	5700	E
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	4900	E
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BB

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31622

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080908.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/9/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	240	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	1200	
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	40	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	Bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-2BB

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668 Site: RIVERSI Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31622

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J080908.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/9/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 2207-04-7	Cyclohexane, 1,4-dimethyl-,	2.27	1200	J
2.	ASP	2.62	1600	J
3. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	3.32	2000	J
4.	ASP	3.93	1300	J
5. 106-42-3	p-Xylene	4.16	4500	J
6.	ASP	4.71	2100	J
7. 1678-92-8	Cyclohexane, propyl-	5.22	1300	J
8. 5911-04-6	Nonane, 3-methyl-	5.35	1400	J
9.	Unknown	5.47	1600	J
10. 103-65-1	Benzene, propyl-	5.74	1300	J
11. 611-14-3	Benzene, 1-ethyl-2-methyl-	5.96	4900	J
12.	Unknown	6.09	2400	J
13.	Unknown	6.27	2100	J
14. 108-67-8	Benzene, 1,3,5-trimethyl-	6.54	6500	J
15. 135-01-3	Benzene, 1,2-diethyl-	6.99	3900	J
16. 1074-43-7	Benzene, 1-methyl-3-propyl-	7.44	3300	J
17. 535-77-3	Benzene, 1-methyl-3-(1-methy	7.57	4300	J
18. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	7.88	2500	J
19. 135-01-3	Benzene, 1,2-diethyl-	8.96	1000	J
20. 581-40-8	Naphthalene, 2,3-dimethyl-	12.35	1100	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BBRE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31622RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J081027.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
65794-96-9	3+4-Methylphenols	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
65-85-0	Benzoic acid	950	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2BBRE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668ASP Site: RIVERSIDE Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31622RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J081027.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 12 decanted: (Y/N): N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	54	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	n-Nitrosodiphenylamine	110	J
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	70	J
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	Bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

1F

SAMPLE NO.

HC-2BBRE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L9668 Site: RIVERSI Location: Group: HC-2AA

Matrix: (soil/water) SOIL Lab Sample ID: O31622RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J081027.D

Level: (low/med) LOW Date Received: 8/5/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 8/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/11/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc	Q
1. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	3.23	1400	J
2. 106-42-3	p-Xylene	4.05	2700	J
3.	ASP	4.70	1300	J
4. 611-14-3	Benzene, 1-ethyl-2-methyl-	6.10	2800	J
5. 108-67-8	Benzene, 1,3,5-trimethyl-	6.25	1900	J
6. 611-14-3	Benzene, 1-ethyl-2-methyl-	6.47	1500	J
7. 526-73-8	Benzene, 1,2,3-trimethyl-	6.78	2900	J
8. 95-63-6	Benzene, 1,2,4-trimethyl-	7.37	2200	J
9. 496-11-7	Indane	7.62	1100	J
10. 1074-43-7	Benzene, 1-methyl-3-propyl-	7.95	1600	J
11. 25155-15-1	Benzene, methyl(1-methylethy	8.12	2200	J
12. 2870-04-4	Benzene, 2-ethyl-1,3-dimethy	8.51	1600	J
13.	Unknown	9.88	1200	J
14. 629-59-4	Tetradecane	13.92	1400	J
15. 581-40-8	Naphthalene, 2,3-dimethyl-	14.29	1700	J
16. 1795-15-9	Cyclohexane, octyl-	14.60	1500	J
17. 3891-98-3	Dodecane, 2,6,10-trimethyl-	14.81	1700	J
18. 629-62-9	Pentadecane	15.36	1400	J
19. 2131-42-2	Naphthalene, 1,4,6-trimethyl	16.08	1300	J
20. 1921-70-6	Pentadecane, 2,6,10,14-tetra	18.10	1400	J
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CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECHNOLOGY PARK	MATRIX:	SOIL
Client ID:	HC-2AA	Date Extracted:	8/4/00
Lab ID:	31621/L9668ASP	Batch:	QP 304
Filename:	PC2225.D	Date Analyzed:	8/10/00
Lab Project No:	L9668ASP	DILUTION:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		19
11104-28-2	AROCLOR 1221	U		19
11141-16-5	AROCLOR 1232	U		19
53469-21-9	AROCLOR 1242	U		19
12672-29-6	AROCLOR 1248	U		19
11097-69-1	AROCLOR 1254	U		19
11096-82-5	AROCLOR 1260	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 87%

(8/8/1)

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECHNOLOGY PARK	MATRIX:	SOIL
Client ID:	HC-2BB	Date Extracted:	8/4/00
Lab ID:	31622/L9668ASP	Batch:	QP 304
Filename:	PC2226.D	Date Analyzed:	8/10/00
Lab Project No:	L9668ASP	DILUTION:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg)	QUALIFIER	MDL (ug/Kg)
12674-11-2	AROCLOR 1016	U		19
11104-28-2	AROCLOR 1221	U		19
11141-16-5	AROCLOR 1232	U		19
53469-21-9	AROCLOR 1242	U		19
12672-29-6	AROCLOR 1248	U		19
11097-69-1	AROCLOR 1254	U		19
11096-82-5	AROCLOR 1260	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 88%

8/8/17

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name:	RIVERSIDE TECHNOLOGY PARK	MATRIX:	SOIL
Client ID:	HC-2AA	Date extracted:	8/8/00
Lab ID:	31621 10X/L9668ASP	Batch:	QP 295
Filename:	PS5091.D	Date Analyzed:	8/9/00
Lab Project No:	L9668ASP	Dilution:	10
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg) PRIMARY	RESULTS (ug/Kg) CONFIRMATION	Q	MDL MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		7.7
58-89-9	gamma-BHC (Lindane)	U	U		7.7
76-44-8	Heptachlor	U	U		7.7
309-00-2	Aldrin	U	U		7.7
319-85-7	beta-BHC	U	U		7.7
319-86-8	delta-BHC	U	U		7.7
1024-57-3	Heptachlor epoxide	U	U		7.7
959-98-8	Endosulfan I	U	U		7.7
5103-71-9	gamma-Chlordane	U	U		7.7
5103-74-2	alpha-Chlordane	U	U		7.7
72-55-9	4,4'-DDE	U	U		7.7
60-57-1	Dieldrin	U	U		7.7
72-20-8	Endrin	U	U		7.7
33213-65-9	Endosulfan II	U	U		7.7
72-54-8	4,4'-DDD	U	U		7.7
50-29-3	4,4'-DDT	U	U		7.7
7421-93-4	Endrin aldehyde	U	U		7.7
1031-07-8	Endosulfan Sulfate	U	U		7.7
72-43-5	Methoxychlor	U	U		7.7
53494-70-5	Endrin ketone	U	U		7.7
57-74-9	Chlordane	U	U		192
8001-35-2	Toxaphene	U	U		192

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 87%

8/3/18
17

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name:	RIVERSIDE TECHNOLOGY PARK	MATRIX:	SOIL
Client ID:	HC-2AA	Date extracted:	8/8/00
Lab ID:	31622/L9668ASP	Batch:	QP 295
Filename:	PS5092.D	Date Analyzed:	9 Aug 2000 7:19 pm
Lab Project No:	L9668ASP	Dilution:	1
		Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/Kg) PRIMARY	RESULTS (ug/Kg) CONFIRMATION	Q	MDL MDL(ug/Kg)
319-84-6	alpha-BHC	U	U		0.8
58-89-9	gamma-BHC (Lindane)	U	U		0.8
76-44-8	Heptachlor	U	U		0.8
309-00-2	Aldrin	U	U		0.8
319-85-7	beta-BHC	U	U		0.8
319-86-8	delta-BHC	U	U		0.8
1024-57-3	Heptachlor epoxide	U	U		0.8
959-98-8	Endosulfan I	U	U		0.8
5103-71-9	gamma-Chlordane	U	U		0.8
5103-74-2	alpha-Chlordane	U	U		0.8
72-55-9	4,4'-DDE	U	U		0.8
60-57-1	Dieldrin	U	U		0.8
72-20-8	Endrin	U	U		0.8
33213-65-9	Endosulfan II	U	U		0.8
72-54-8	4,4'-DDD	U	U		0.8
50-29-3	4,4'-DDT	U	U		0.8
7421-93-4	Endrin aldehyde	U	U		0.8
1031-07-8	Endosulfan Sulfate	U	U		0.8
72-43-5	Methoxychlor	U	U		0.8
53494-70-5	Endrin ketone	U	U		0.8
57-74-9	Chlordane	U	U		19
8001-35-2	Toxaphene	U	U		19

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

%SOLIDS 88%

8/3/18
17

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

HC-2AA

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED . Case No.: SAS No.: SDG No.: L9668

Matrix (soil/water): SOIL Lab Sample ID: 31621S

Level (low/med): LOW Date Received: 08/05/00

% Solids: 87.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3070			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	18.2	B		P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	8250			P
7440-47-3	Chromium	4.3			P
7440-48-4	Cobalt	3.8	B		P
7440-50-8	Copper	11.1		E	P
7439-89-6	Iron	8120			P
7439-92-1	Lead	10.0			P
7439-95-4	Magnesium	2300			P
7439-96-5	Manganese	200			P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	7.2	B		P
7440-09-7	Potassium	419	B		P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	0.14	U		P
7440-23-5	Sodium	207	B		P
7440-28-0	Thallium	0.53	U		P
7440-62-2	Vanadium	7.3	B		P
7440-66-6	Zinc	37.3		E	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

HC-2BB

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L9668

Matrix (soil/water): SOIL Lab Sample ID: 31622S

Level (low/med): LOW Date Received: 08/05/00

% Solids: 87.6

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5910			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	3.1			P
7440-39-3	Barium	28.9	B		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	1490			P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	7.0	B		P
7440-50-8	Copper	13.3		E	P
7439-89-6	Iron	14800			P
7439-92-1	Lead	12.4			P
7439-95-4	Magnesium	2110			P
7439-96-5	Manganese	225			P
7439-97-6	Mercury	0.09	B		CV
7440-02-0	Nickel	12.9			P
7440-09-7	Potassium	608	B		P
7782-49-2	Selenium	0.63	B		P
7440-22-4	Silver	0.14	U		P
7440-23-5	Sodium	144	B		P
7440-28-0	Thallium	2.0	B		P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	43.3		E	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/17/00

PROJECT # L9668 ASP

SAMPLE NUMBER- 31621 SAMPLE ID- HC-2AA
DATE SAMPLED- 08/03/00 TIME SAMPLED- 1500 SAMPLER- CLIENT
DATE RECEIVED- 08/05/00 TIME RECEIVED- 1100
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	100	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	680	mg/kg
NITRATE	353.2	08/07/00		PHM	<5.7	mg/kg
SULFATE	375.4	08/08/00		JKV	25	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/07/00		KH	87.4	%
CYANIDE	335.2	08/14/00		SA	<0.58	mg/kg

LABORATORY DIRECTOR _____

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.568.7400 Fax: 201.567.3231

NYSDOH Certification No. 10624

☑ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
15 ELK STREET
ALBANY, NY 12207-

DATE: 08/17/00

PROJECT # L9668 ASP

SAMPLE NUMBER- 31622 SAMPLE ID- HC-2BB
DATE SAMPLED- 08/04/00 TIME SAMPLED- 1000 SAMPLER- CLIENT
DATE RECEIVED- 08/05/00 TIME RECEIVED- 1100
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- SO

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	325.3	08/07/00		PHM	250	mg/Kg
TOTAL PETROLEUM HYDROCARBONS	418.1	08/09/00		ST	5700	mg/kg
NITRATE	353.2	08/07/00		PHM	<5.7	mg/kg
SULFATE	375.4	08/08/00		JKV	<11	mg/kg
SOLIDS, PERCENT	EPA 160.3	08/07/00		KH	87.6	%
CYANIDE	335.2	08/14/00		SA	<0.58	mg/kg

LABORATORY DIRECTOR

110 Route 4
Englewood, New Jersey 07631
Phone: 201.568.7400 Fax: 201.567.3231

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

Geoprobe Water
VOC & Semi-VOC
Laboratory Results

Supplementary Test Pit Soils
VOC & Semi-VOC
Laboratory Results

Supplementary Test Pit Soils
VOC & Semi-VOC
Laboratory Results

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH PARK
PROJECT # 158.03

HOLT CONSULTING
620 WASHINGTON AVE
RENSSELAER, NY 12144
518-432-9021

CHEMTECH PROJECT # **N6809**
ATTENTION **JEFF HOLT**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 003

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112125.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 19 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
74-87-3	Chloromethane	770	U
75-01-4	Vinyl Chloride	770	U
74-83-9	Bromomethane	770	U
75-00-3	Chloroethane	770	U
75-35-4	1,1-Dichloroethene	770	U
67-64-1	Acetone	770	U
75-15-0	Carbon Disulfide	770	U
75-09-2	Methylene Chloride	770	U
156-60-5	trans-1,2-Dichloroethene	770	U
75-34-3	1,1-Dichloroethane	770	U
78-93-3	2-Butanone	770	U
156-59-2	cis-1,2-Dichloroethene	770	U
67-66-3	Chloroform	770	U
71-55-6	1,1,1-Trichloroethane	770	U
56-23-5	Carbon Tetrachloride	770	U
71-43-2	Benzene	770	U
107-06-2	1,2-Dichloroethane	770	U
79-01-6	Trichloroethene	770	U
78-87-5	1,2-Dichloropropane	770	U
75-27-4	Bromodichloromethane	770	U
108-10-1	4-Methyl-2-Pentanone	770	U
108-88-3	Toluene	770	U
10061-02-6	t-1,3-Dichloropropene	770	U
10061-01-5	cis-1,3-Dichloropropene	770	U
79-00-5	1,1,2-Trichloroethane	770	U
591-78-6	2-Hexanone	770	U
124-48-1	Dibromochloromethane	770	U
127-18-4	Tetrachloroethene	770	U
108-90-7	Chlorobenzene	770	U
100-41-4	Ethyl Benzene	770	U
136777-61-2	m/p-Xylenes	770	U
95-47-6	o-Xylene	770	U
100-42-5	Styrene	770	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O03

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112125.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 19 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound	ug/Kg	Q
75-25-2	Bromoform	770	U
79-34-5	1,1,2,2-Tetrachloroethane	770	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6809 Site: RIVERSID Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 003

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112125.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 19.1 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 638-04-0	Cyclohexane, 1,3-dimethyl-,	17.38	20000	J
2. 7058-01-7	Cyclohexane, (1-methylpropyl	21.82	9600	J
3. 17302-28-2	Nonane, 2,6-dimethyl-	23.14	22000	J
4. 2207-04-7	Cyclohexane, 1,4-dimethyl-,	23.45	11000	J
5.	Unknown	24.02	13000	J
6. 106-23-0	6-Octenal, 3,7-dimethyl-	24.16	11000	J
7. 1678-93-9	Cyclohexane, butyl-	24.27	11000	J
8. 141-93-5	Benzene, 1,3-diethyl-	25.24	17000	J
9. 493-02-7	Naphthalene, decahydro-, tra	25.61	24000	J
10. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	26.17	9600	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2.5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 004

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112126.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 16 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
74-87-3	Chloromethane	740	U
75-01-4	Vinyl Chloride	740	U
74-83-9	Bromomethane	740	U
75-00-3	Chloroethane	740	U
75-35-4	1,1-Dichloroethene	740	U
67-64-1	Acetone	740	U
75-15-0	Carbon Disulfide	740	U
75-09-2	Methylene Chloride	740	U
156-60-5	trans-1,2-Dichloroethene	740	U
75-34-3	1,1-Dichloroethane	740	U
78-93-3	2-Butanone	740	U
156-59-2	cis-1,2-Dichloroethene	740	U
67-66-3	Chloroform	740	U
71-55-6	1,1,1-Trichloroethane	740	U
56-23-5	Carbon Tetrachloride	740	U
71-43-2	Benzene	740	U
107-06-2	1,2-Dichloroethane	740	U
79-01-6	Trichloroethene	740	U
78-87-5	1,2-Dichloropropane	740	U
75-27-4	Bromodichloromethane	740	U
108-10-1	4-Methyl-2-Pentanone	740	U
108-88-3	Toluene	740	U
10061-02-6	t-1,3-Dichloropropene	740	U
10061-01-5	cis-1,3-Dichloropropene	740	U
79-00-5	1,1,2-Trichloroethane	740	U
591-78-6	2-Hexanone	740	U
124-48-1	Dibromochloromethane	740	U
127-18-4	Tetrachloroethene	740	U
108-90-7	Chlorobenzene	740	U
100-41-4	Ethyl Benzene	740	U
136777-61-2	m/p-Xylenes	740	U
95-47-6	o-Xylene	740	U
100-42-5	Styrene	740	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2.5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O04

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112126.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 16 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
75-25-2	Bromoform	740	U
79-34-5	1,1,2,2-Tetrachloroethane	740	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-2.5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6809 Site: RIVERSID Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 004

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112126.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 16.1 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 4291-79-6	Cyclohexane, 1-methyl-2-prop	22.99	8000	J
2. 2847-72-5	Decane, 4-methyl-	23.18	12000	J
3.	Unknown	24.03	8300	J
4. 1678-93-9	Cyclohexane, butyl-	24.31	8600	J
5. 54411-01-7	Cyclohexane, 1-methyl-2-pent	25.28	16000	J
6. 629-05-0	1-Octyne	25.51	9300	J
7. 26321-98-2	Cyclohexane, (1-ethylpropyl)	25.68	19000	J
8.	Unknown	26.34	8700	J
9. 4292-92-6	Cyclohexane, pentyl-	26.53	13000	J
10. 2958-76-1	Naphthalene, decahydro-2-met	26.72	9500	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-4'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 005

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112127.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 7 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	670	U
75-01-4	Vinyl Chloride	670	U
74-83-9	Bromomethane	670	U
75-00-3	Chloroethane	670	U
75-35-4	1,1-Dichloroethene	670	U
67-64-1	Acetone	670	U
75-15-0	Carbon Disulfide	670	U
75-09-2	Methylene Chloride	670	U
156-60-5	trans-1,2-Dichloroethene	670	U
75-34-3	1,1-Dichloroethane	670	U
78-93-3	2-Butanone	670	U
156-59-2	cis-1,2-Dichloroethene	670	U
67-66-3	Chloroform	670	U
71-55-6	1,1,1-Trichloroethane	670	U
56-23-5	Carbon Tetrachloride	670	U
71-43-2	Benzene	670	U
107-06-2	1,2-Dichloroethane	670	U
79-01-6	Trichloroethene	670	U
78-87-5	1,2-Dichloropropane	670	U
75-27-4	Bromodichloromethane	670	U
108-10-1	4-Methyl-2-Pentanone	670	U
108-88-3	Toluene	670	U
10061-02-6	t-1,3-Dichloropropene	670	U
10061-01-5	cis-1,3-Dichloropropene	670	U
79-00-5	1,1,2-Trichloroethane	670	U
591-78-6	2-Hexanone	670	U
124-48-1	Dibromochloromethane	670	U
127-18-4	Tetrachloroethene	670	U
108-90-7	Chlorobenzene	670	U
100-41-4	Ethyl Benzene	670	U
136777-61-2	m/p-Xylenes	670	U
95-47-6	o-Xylene	670	U
100-42-5	Styrene	670	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-4'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 005

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112127.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 7 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-25-2	Bromoform	670	U
79-34-5	1,1,2,2-Tetrachloroethane	670	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B4-4'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6809 Site: RIVERSID Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O05

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112127.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 6.5 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 2100-17-6	4-Pentenal	15.40	9900	J
2. 108-87-2	Cyclohexane, methyl-	15.77	33000	J
3. 592-27-8	Heptane, 2-methyl-	16.36	39000	J
4. 589-81-1	Heptane, 3-methyl-	16.68	29000	J
5. 2207-03-6	Cyclohexane, 1,3-dimethyl-,	17.44	42000	J
6. 13395-76-1	Cyclohexanone, 2,3-dimethyl-	21.85	9700	J
7. 4126-78-7	Cycloheptane, methyl-	22.90	12000	J
8. 4291-79-6	Cyclohexane, 1-methyl-2-prop	23.00	15000	J
9. 2847-72-5	Decane, 4-methyl-	23.18	18000	J
10.	Unknown	23.49	9500	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-7'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 006

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112128.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 18 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	760	U
75-01-4	Vinyl Chloride	760	U
74-83-9	Bromomethane	760	U
75-00-3	Chloroethane	760	U
75-35-4	1,1-Dichloroethene	760	U
67-64-1	Acetone	760	U
75-15-0	Carbon Disulfide	760	U
75-09-2	Methylene Chloride	760	U
156-60-5	trans-1,2-Dichloroethene	760	U
75-34-3	1,1-Dichloroethane	760	U
78-93-3	2-Butanone	760	U
156-59-2	cis-1,2-Dichloroethene	760	U
67-66-3	Chloroform	760	U
71-55-6	1,1,1-Trichloroethane	760	U
56-23-5	Carbon Tetrachloride	760	U
71-43-2	Benzene	760	U
107-06-2	1,2-Dichloroethane	760	U
79-01-6	Trichloroethene	760	U
78-87-5	1,2-Dichloropropane	760	U
75-27-4	Bromodichloromethane	760	U
108-10-1	4-Methyl-2-Pentanone	760	U
108-88-3	Toluene	760	U
10061-02-6	t-1,3-Dichloropropene	760	U
10061-01-5	cis-1,3-Dichloropropene	760	U
79-00-5	1,1,2-Trichloroethane	760	U
591-78-6	2-Hexanone	760	U
124-48-1	Dibromochloromethane	760	U
127-18-4	Tetrachloroethene	760	U
108-90-7	Chlorobenzene	760	U
100-41-4	Ethyl Benzene	760	U
136777-61-2	m/p-Xylenes	760	U
95-47-6	o-Xylene	760	U
100-42-5	Styrene	760	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-7'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O06

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112128.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 18 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS No.	Compound		Q
75-25-2	Bromoform	760	U
79-34-5	1,1,2,2-Tetrachloroethane	760	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B4-7'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6809 Site: RIVERSID Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: O06

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112128.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 18.3 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 589-34-4	Hexane, 3-methyl-	13.42	13000	J
2. 142-82-5	Heptane	14.27	53000	J
3.	4-Undecene, 6-methyl-	15.41	15000	J
4. 108-87-2	Cyclohexane, methyl-	15.81	39000	J
5. 592-27-8	Heptane, 2-methyl-	16.38	23000	J
6. 6876-23-9	Cyclohexane, 1,2-dimethyl-,	17.46	52000	J
7. 6783-92-2	Cyclohexane, 1,1,2,3-tetrame	22.75	13000	J
8. 13837-66-6	m-Menthane, (1S,3R)-(+)-	23.02	31000	J
9. 611-14-3	Benzene, 1-ethyl-2-methyl-	23.87	19000	J
10. 95-36-3	1,2,4-Trimethylbenzene	24.12	23000	J
11.				
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 007

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112129.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 16 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	750	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	750	U
75-00-3	Chloroethane	750	U
75-35-4	1,1-Dichloroethene	750	U
67-64-1	Acetone	750	U
75-15-0	Carbon Disulfide	750	U
75-09-2	Methylene Chloride	750	U
156-60-5	trans-1,2-Dichloroethene	750	U
75-34-3	1,1-Dichloroethane	750	U
78-93-3	2-Butanone	750	U
156-59-2	cis-1,2-Dichloroethene	750	U
67-66-3	Chloroform	750	U
71-55-6	1,1,1-Trichloroethane	750	U
56-23-5	Carbon Tetrachloride	750	U
71-43-2	Benzene	750	U
107-06-2	1,2-Dichloroethane	750	U
79-01-6	Trichloroethene	750	U
78-87-5	1,2-Dichloropropane	750	U
75-27-4	Bromodichloromethane	750	U
108-10-1	4-Methyl-2-Pentanone	750	U
108-88-3	Toluene	750	U
10061-02-6	t-1,3-Dichloropropene	750	U
10061-01-5	cis-1,3-Dichloropropene	750	U
79-00-5	1,1,2-Trichloroethane	750	U
591-78-6	2-Hexanone	750	U
124-48-1	Dibromochloromethane	750	U
127-18-4	Tetrachloroethene	750	U
108-90-7	Chlorobenzene	750	U
100-41-4	Ethyl Benzene	17000	
136777-61-2	m/p-Xylenes	55000	
95-47-6	o-Xylene	2300	
100-42-5	Styrene	750	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 007

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112129.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 16 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/Kg	Q
75-25-2	Bromoform	750	U
79-34-5	1,1,2,2-Tetrachloroethane	750	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6809 Site: RIVERSID Location: LB17892 Group: 5970-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 007

Sample wt/vol: 4.0 (g/mL) G Lab File ID: VD112129.D

Level: (low/med) MED Date Received: 11/19/01

% Moisture: not dec. 16.4 Date Analyzed: 11/22/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-87-2	Cyclohexane, methyl-	15.75	28000	J
2. 592-27-8	Heptane, 2-methyl-	16.35	26000	J
3. 111-65-9	Octane	17.43	46000	J
4. 1678-91-7	Cyclohexane, ethyl-	19.27	14000	J
5. 871-83-0	Nonane, 2-methyl-	21.81	18000	J
6. 103-65-1	Benzene, propyl-	23.08	14000	J
7. 526-73-8	Benzene, 1,2,3-trimethyl-	23.25	32000	J
8. 95-63-6	Benzene, 1,2,4-trimethyl-	23.36	18000	J
9. 622-96-8	Benzene, 1-ethyl-4-methyl-	23.87	15000	J
10.	Unknown	24.11	46000	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112605.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 19 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
65794-96-9	3+4-Methylphenols	820	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
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	9400	E
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	1300	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112605.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 19 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	410	U
100-02-7	4-Nitrophenol	410	U
132-64-9	Dibenzofuran	1800	
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	2700	
100-01-6	4-Nitroaniline	410	U
534-52-1	4,6-Dinitro-2-methylphenol	410	U
86-30-6	n-Nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	410	U
85-01-8	Phenanthrene	5000	E
120-12-7	Anthracene	350	J
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	750	
129-00-0	Pyrene	600	
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	180	J
117-81-7	Bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octyl phthalate	410	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	88	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	62	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	71	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N680 Site: RIVERSI Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112605.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	3.95	1400	J
2.	ACP	5.24	940	J
3.	ACP	5.63	1100	J
4. 493-02-7	Naphthalene, decahydro-, tra	6.99	950	J
5. 2958-76-1	Naphthalene, decahydro-2-met	7.75	1000	J
6. 17301-23-4	Undecane, 2,6-dimethyl-	8.98	900	J
7. 26730-14-3	Tridecane, 7-methyl-	9.68	1600	J
8. 13065-07-1	Naphthalene, 1,2,3,4-tetrahy	10.33	1200	J
9. 61142-20-9	Cyclohexane, (4-methylpentyl	10.54	1200	J
10. 20027-77-4	Naphthalene, 1,2,3,4-tetrahy	11.17	1200	J
11. 582-16-1	Naphthalene, 2,7-dimethyl-	11.33	1200	J
12. 581-42-0	Naphthalene, 2,6-dimethyl-	11.54	3600	J
13. 1795-15-9	Cyclohexane, octyl-	11.68	1000	J
14. 112-40-3	Dodecane	11.78	2500	J
15. 2131-42-2	Naphthalene, 1,4,6-trimethyl	12.60	1100	J
16.	Unknown	12.66	1100	J
17.	Unknown	12.81	1800	J
18. 2245-38-7	Naphthalene, 1,6,7-trimethyl	12.99	1300	J
19. 544-76-3	Hexadecane	13.62	1100	J
20. 1921-70-6	Pentadecane, 2,6,10,14-tetra	14.15	1700	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O03DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112725.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 19 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	2100	UD
111-44-4	bis(2-Chloroethyl)ether	2100	UD
95-57-8	2-Chlorophenol	2100	UD
95-50-1	1,2-Dichlorobenzene	2100	UD
541-73-1	1,3-Dichlorobenzene	2100	UD
106-46-7	1,4-Dichlorobenzene	2100	UD
95-48-7	2-Methylphenol	2100	UD
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	UD
65794-96-9	3+4-Methylphenols	4100	UD
621-64-7	n-Nitroso-di-n-propylamine	2100	UD
67-72-1	Hexachloroethane	2100	UD
98-95-3	Nitrobenzene	2100	UD
78-59-1	Isophorone	2100	UD
88-75-5	2-Nitrophenol	2100	UD
105-67-9	2,4-Dimethylphenol	2100	UD
111-91-1	bis(2-Chloroethoxy)methane	2100	UD
120-83-2	2,4-Dichlorophenol	2100	UD
120-82-1	1,2,4-Trichlorobenzene	2100	UD
91-20-3	Naphthalene	2100	UD
106-47-8	4-Chloroaniline	2100	UD
87-68-3	Hexachlorobutadiene	2100	UD
59-50-7	4-Chloro-3-methylphenol	2100	UD
91-57-6	2-Methylnaphthalene	12000	D
77-47-4	Hexachlorocyclopentadiene	2100	UD
88-06-2	2,4,6-Trichlorophenol	2100	UD
95-95-4	2,4,5-Trichlorophenol	2100	UD
91-58-7	2-Chloronaphthalene	2100	UD
88-74-4	2-Nitroaniline	2100	UD
131-11-3	Dimethylphthalate	2100	UD
208-96-8	Acenaphthylene	2100	UD
606-20-2	2,6-Dinitrotoluene	2100	UD
99-09-2	3-Nitroaniline	2100	UD
83-32-9	Acenaphthene	1500	JD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 003DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B5112725.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 19 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	2100	UD
100-02-7	4-Nitrophenol	2100	UD
132-64-9	Dibenzofuran	2000	JD
121-14-2	2,4-Dinitrotoluene	2100	UD
84-66-2	Diethylphthalate	2100	UD
7005-72-3	4-Chlorophenyl-phenylether	2100	UD
86-73-7	Fluorene	2900	D
100-01-6	4-Nitroaniline	2100	UD
534-52-1	4,6-Dinitro-2-methylphenol	2100	UD
86-30-6	n-Nitrosodiphenylamine	2100	UD
101-55-3	4-Bromophenyl-phenylether	2100	UD
118-74-1	Hexachlorobenzene	2100	UD
87-86-5	Pentachlorophenol	2100	UD
85-01-8	Phenanthrene	4800	D
120-12-7	Anthracene	640	JD
86-74-8	Carbazole	2100	UD
84-74-2	Di-n-butylphthalate	2100	UD
206-44-0	Fluoranthene	660	JD
129-00-0	Pyrene	540	JD
85-68-7	Butylbenzylphthalate	2100	UD
91-94-1	3,3'-Dichlorobenzidine	2100	UD
56-55-3	Benzo(a)anthracene	2100	UD
218-01-9	Chrysene	2100	UD
117-81-7	Bis(2-Ethylhexyl)phthalate	2100	UD
117-84-0	Di-n-octyl phthalate	2100	UD
205-99-2	Benzo(b)fluoranthene	2100	UD
207-08-9	Benzo(k)fluoranthene	2100	UD
50-32-8	Benzo(a)pyrene	2100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	2100	UD
53-70-3	Dibenzo(a,h)anthracene	2100	UD
191-24-2	Benzo(g,h,i)perylene	2100	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2.5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112607.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
65794-96-9	3+4-Methylphenols	790	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
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	2900	
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	440	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2.5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 004

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112607.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	590	
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	850	
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	n-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	120	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	48	J
218-01-9	Chrysene	68	J
117-81-7	Bis(2-Ethylhexyl)phthalate	75	J
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B-2.5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N680 Site: RIVERSI Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112607.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.94	2100	J
2. 2051-30-1	Octane, 2,6-dimethyl-	5.22	830	J
3. 1678-97-3	Cyclohexane, 1,2,3-trimethyl	5.59	940	J
4. 624-29-3	Cyclohexane, 1,4-dimethyl-,	5.96	680	J
5. 2847-72-5	Decane, 4-methyl-	6.47	990	J
6. 141-93-5	Benzene, 1,3-diethyl-	6.86	1500	J
7. 493-02-7	Naphthalene, decahydro-, tra	6.98	870	J
8. 61142-70-9	Cyclohexane, 2,4-diethyl-1-m	7.25	690	J
9. 7206-17-9	6-Dodecene, (E)-	9.14	610	J
10. 4292-92-6	Cyclohexane, pentyl-	10.51	3300	J
11.	Unknown	10.75	1000	J
12. 55030-62-1	Tridecane, 4,8-dimethyl-	11.12	640	J
13. 1795-15-9	Cyclohexane, octyl-	11.64	1400	J
14. 55045-12-0	Tetradecane, 4,11-dimethyl-	11.74	4100	J
15.	Unknown	11.92	1800	J
16. 2245-38-7	Naphthalene, 1,6,7-trimethyl	12.60	2500	J
17.	Unknown	12.76	3100	J
18. 2131-42-2	Naphthalene, 1,4,6-trimethyl	12.93	2500	J
19. 31295-56-4	Dodecane, 2,6,11-trimethyl-	13.54	2700	J
20. 1921-70-6	Pentadecane, 2,6,10,14-tetra	14.09	1700	J
21.				
22.				
23.				
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30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2.5RE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O04RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112729.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
65794-96-9	3+4-Methylphenols	790	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
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	2700	
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	360	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B-2.5RE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O04RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BB112729.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	470	
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	650	
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	n-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	420	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	45	J
218-01-9	Chrysene	59	J
117-81-7	Bis(2-Ethylhexyl)phthalate	70	J
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-4'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112604.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 7 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
65794-96-9	3+4-Methylphenols	710	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
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	8900	E
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	360	U
83-32-9	Acenaphthene	290	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-4'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112604.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 7 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	360	U
100-02-7	4-Nitrophenol	360	U
132-64-9	Dibenzofuran	320	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	300	J
100-01-6	4-Nitroaniline	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	U
86-30-6	n-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	55	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	82	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	38	J
218-01-9	Chrysene	47	J
117-81-7	Bis(2-Ethylhexyl)phthalate	71	J
117-84-0	Di-n-octyl phthalate	360	U
205-99-2	Benzo(b)fluoranthene	38	J
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B4-4'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N680 Site: RIVERSI Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 005

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112604.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.97	2800	J
2. 6236-88-0	Cyclohexane, 1-ethyl-4-methy	4.61	1500	J
3. 4923-78-8	Cyclohexane, 1-ethyl-2-methy	4.89	1100	J
4. 2051-30-1	Octane, 2,6-dimethyl-	5.26	2100	J
5. 17301-94-9	Nonane, 4-methyl-	5.65	2900	J
6. 5911-04-6	Nonane, 3-methyl-	5.76	1300	J
7. 624-29-3	Cyclohexane, 1,4-dimethyl-,	5.98	1100	J
8. 2847-72-5	Decane, 4-methyl-	6.49	1300	J
9. 135-01-3	Benzene, 1,2-diethyl-	6.88	1500	J
10.	Unknown	6.95	1100	J
11. 4292-75-5	Cyclohexane, hexyl-	10.49	2600	J
12.	Unknown	10.72	1000	J
13. 1127-76-0	Naphthalene, 1-ethyl-	11.13	1200	J
14. 581-42-0	Naphthalene, 2,6-dimethyl-	11.27	1600	J
15. 571-58-4	Naphthalene, 1,4-dimethyl-	11.42	4800	J
16. 1795-15-9	Cyclohexane, octyl-	11.62	1600	J
17. 21164-95-4	Hexadecane, 7,9-dimethyl-	11.70	1800	J
18. 2245-38-7	Naphthalene, 1,6,7-trimethyl	12.75	1500	J
19. 112-95-8	Eicosane	13.54	1600	J
20. 54105-67-8	Heptadecane, 2,6-dimethyl-	14.07	1200	J
21.				
22.				
23.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-4'DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O05DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112724.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 7 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	1800	UD
111-44-4	bis(2-Chloroethyl)ether	1800	UD
95-57-8	2-Chlorophenol	1800	UD
95-50-1	1,2-Dichlorobenzene	1800	UD
541-73-1	1,3-Dichlorobenzene	1800	UD
106-46-7	1,4-Dichlorobenzene	1800	UD
95-48-7	2-Methylphenol	1800	UD
108-60-1	2,2'-oxybis(1-Chloropropane)	1800	UD
65794-96-9	3+4-Methylphenols	3600	UD
621-64-7	n-Nitroso-di-n-propylamine	1800	UD
67-72-1	Hexachloroethane	1800	UD
98-95-3	Nitrobenzene	1800	UD
78-59-1	Isophorone	1800	UD
88-75-5	2-Nitrophenol	1800	UD
105-67-9	2,4-Dimethylphenol	1800	UD
111-91-1	bis(2-Chloroethoxy)methane	1800	UD
120-83-2	2,4-Dichlorophenol	1800	UD
120-82-1	1,2,4-Trichlorobenzene	1800	UD
91-20-3	Naphthalene	1800	UD
106-47-8	4-Chloroaniline	1800	UD
87-68-3	Hexachlorobutadiene	1800	UD
59-50-7	4-Chloro-3-methylphenol	1800	UD
91-57-6	2-Methylnaphthalene	9900	D
77-47-4	Hexachlorocyclopentadiene	1800	UD
88-06-2	2,4,6-Trichlorophenol	1800	UD
95-95-4	2,4,5-Trichlorophenol	1800	UD
91-58-7	2-Chloronaphthalene	1800	UD
88-74-4	2-Nitroaniline	1800	UD
131-11-3	Dimethylphthalate	1800	UD
208-96-8	Acenaphthylene	1800	UD
606-20-2	2,6-Dinitrotoluene	1800	UD
99-09-2	3-Nitroaniline	1800	UD
83-32-9	Acenaphthene	340	JD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-4'DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 005DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112724.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 7 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1800	UD
100-02-7	4-Nitrophenol	1800	UD
132-64-9	Dibenzofuran	300	JD
121-14-2	2,4-Dinitrotoluene	1800	UD
84-66-2	Diethylphthalate	1800	UD
7005-72-3	4-Chlorophenyl-phenylether	1800	UD
86-73-7	Fluorene	320	JD
100-01-6	4-Nitroaniline	1800	UD
534-52-1	4,6-Dinitro-2-methylphenol	1800	UD
86-30-6	n-Nitrosodiphenylamine	1800	UD
101-55-3	4-Bromophenyl-phenylether	1800	UD
118-74-1	Hexachlorobenzene	1800	UD
87-86-5	Pentachlorophenol	1800	UD
85-01-8	Phenanthrene	290	JD
120-12-7	Anthracene	1800	UD
86-74-8	Carbazole	1800	UD
84-74-2	Di-n-butylphthalate	1800	UD
206-44-0	Fluoranthene	1800	UD
129-00-0	Pyrene	1800	UD
85-68-7	Butylbenzylphthalate	1800	UD
91-94-1	3,3'-Dichlorobenzidine	1800	UD
56-55-3	Benzo(a)anthracene	1800	UD
218-01-9	Chrysene	1800	UD
117-81-7	Bis(2-Ethylhexyl)phthalate	1800	UD
117-84-0	Di-n-octyl phthalate	1800	UD
205-99-2	Benzo(b)fluoranthene	1800	UD
207-08-9	Benzo(k)fluoranthene	1800	UD
50-32-8	Benzo(a)pyrene	1800	UD
193-39-5	Indeno(1,2,3-cd)pyrene	1800	UD
53-70-3	Dibenzo(a,h)anthracene	1800	UD
191-24-2	Benzo(g,h,i)perylene	1800	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-7'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112606.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 18 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
65794-96-9	3+4-Methylphenols	810	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
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	21000	E
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	840	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-7'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O06

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112606.D

Level: (low/med)* LOW Date Received: 11/19/01

% Moisture: 18 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	410	U
100-02-7	4-Nitrophenol	410	U
132-64-9	Dibenzofuran	950	
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	1300	
100-01-6	4-Nitroaniline	410	U
534-52-1	4,6-Dinitro-2-methylphenol	410	U
86-30-6	n-Nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	410	U
85-01-8	Phenanthrene	1900	
120-12-7	Anthracene	660	
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	910	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	350	J
117-81-7	Bis(2-Ethylhexyl)phthalate	85	J
117-84-0	Di-n-octyl phthalate	410	U
205-99-2	Benzo(b)fluoranthene	230	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	280	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	47	J
191-24-2	Benzo(g,h,i)perylene	190	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B4-7'

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N680 Site: RIVERSI Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 006

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112606.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 933-98-2	Benzene, 1-ethyl-2,3-dimethy	7.83	1300	J
2. 27133-93-3	2,3-Dihydro-1-methylindene	8.16	1100	J
3. 95-93-2	Benzene, 1,2,4,5-tetramethyl	8.33	3100	J
4. 1559-81-5	Naphthalene, 1,2,3,4-tetrahy	8.76	1200	J
5. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	8.90	1100	J
6. 17302-28-2	Nonane, 2,6-dimethyl-	9.68	1100	J
7. 4443-55-4	Cyclohexane, eicosyl-	10.52	2900	J
8. 62338-13-0	Decane, 3,3,5-trimethyl-	10.62	1200	J
9. 1560-96-9	Tridecane, 2-methyl-	10.68	1200	J
10. 19218-94-1	Tetradecane, 1-iodo-	10.75	1300	J
11. 575-43-9	Naphthalene, 1,6-dimethyl-	11.30	1900	J
12. 571-61-9	Naphthalene, 1,5-dimethyl-	11.46	3000	J
13. 6165-44-2	Cyclohexane, 1,1'-(1,4-butan	11.64	1200	J
14. 629-62-9	Pentadecane	11.73	2600	J
15. 18435-22-8	Tetradecane, 3-methyl-	11.81	1500	J
16.	Decahydro-4,4,8,9,10-pentame	11.93	1500	J
17. 2131-42-2	Naphthalene, 1,4,6-trimethyl	12.77	2400	J
18. 2245-38-7	Naphthalene, 1,6,7-trimethyl	12.95	1700	J
19. 629-78-7	Heptadecane	13.57	1200	J
20. 1921-70-6	Pentadecane, 2,6,10,14-tetra	14.10	1600	J
21.				
22.				
23.				
24.				
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26.				
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28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-7'DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O06DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112726.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 18 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	4100	UD
111-44-4	bis(2-Chloroethyl)ether	4100	UD
95-57-8	2-Chlorophenol	4100	UD
95-50-1	1,2-Dichlorobenzene	4100	UD
541-73-1	1,3-Dichlorobenzene	4100	UD
106-46-7	1,4-Dichlorobenzene	4100	UD
95-48-7	2-Methylphenol	4100	UD
108-60-1	2,2'-oxybis(1-Chloropropane)	4100	UD
65794-96-9	3+4-Methylphenols	8100	UD
621-64-7	n-Nitroso-di-n-propylamine	4100	UD
67-72-1	Hexachloroethane	4100	UD
98-95-3	Nitrobenzene	4100	UD
78-59-1	Isophorone	4100	UD
88-75-5	2-Nitrophenol	4100	UD
105-67-9	2,4-Dimethylphenol	4100	UD
111-91-1	bis(2-Chloroethoxy)methane	4100	UD
120-83-2	2,4-Dichlorophenol	4100	UD
120-82-1	1,2,4-Trichlorobenzene	4100	UD
91-20-3	Naphthalene	4100	UD
106-47-8	4-Chloroaniline	4100	UD
87-68-3	Hexachlorobutadiene	4100	UD
59-50-7	4-Chloro-3-methylphenol	4100	UD
91-57-6	2-Methylnaphthalene	25000	D
77-47-4	Hexachlorocyclopentadiene	4100	UD
88-06-2	2,4,6-Trichlorophenol	4100	UD
95-95-4	2,4,5-Trichlorophenol	4100	UD
91-58-7	2-Chloronaphthalene	4100	UD
88-74-4	2-Nitroaniline	4100	UD
131-11-3	Dimethylphthalate	4100	UD
208-96-8	Acenaphthylene	4100	UD
606-20-2	2,6-Dinitrotoluene	4100	UD
99-09-2	3-Nitroaniline	4100	UD
83-32-9	Acenaphthene	1500	JD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B4-7'DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 006DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112726.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 18 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/28/01

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	4100	UD
100-02-7	4-Nitrophenol	4100	UD
132-64-9	Dibenzofuran	950	JD
121-14-2	2,4-Dinitrotoluene	4100	UD
84-66-2	Diethylphthalate	4100	UD
7005-72-3	4-Chlorophenyl-phenylether	4100	UD
86-73-7	Fluorene	1300	JD
100-01-6	4-Nitroaniline	4100	UD
534-52-1	4,6-Dinitro-2-methylphenol	4100	UD
86-30-6	n-Nitrosodiphenylamine	4100	UD
101-55-3	4-Bromophenyl-phenylether	4100	UD
118-74-1	Hexachlorobenzene	4100	UD
87-86-5	Pentachlorophenol	4100	UD
85-01-8	Phenanthrene	1700	JD
120-12-7	Anthracene	450	JD
86-74-8	Carbazole	4100	UD
84-74-2	Di-n-butylphthalate	4100	UD
206-44-0	Fluoranthene	1000	JD
129-00-0	Pyrene	600	JD
85-68-7	Butylbenzylphthalate	4100	UD
91-94-1	3,3'-Dichlorobenzidine	4100	UD
56-55-3	Benzo(a)anthracene	4100	UD
218-01-9	Chrysene	4100	UD
117-81-7	Bis(2-Ethylhexyl)phthalate	4100	UD
117-84-0	Di-n-octyl phthalate	4100	UD
205-99-2	Benzo(b)fluoranthene	4100	UD
207-08-9	Benzo(k)fluoranthene	4100	UD
50-32-8	Benzo(a)pyrene	4100	UD
193-39-5	Indeno(1,2,3-cd)pyrene	4100	UD
53-70-3	Dibenzo(a,h)anthracene	4100	UD
191-24-2	Benzo(g,h,i)perylene	4100	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O07

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112603.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
65794-96-9	3+4-Methylphenols	790	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
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	8200	E
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	9800	E
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	160	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 007

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112603.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	270	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	380	J
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	n-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	400	
120-12-7	Anthracene	71	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	66	J
129-00-0	Pyrene	65	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	Bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
A-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N680 Site: RIVERSI Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 007

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112603.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N) N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/26/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/Kg

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.94	1700	J
2. 100-41-4	Ethylbenzene	4.23	1600	J
3. 108-38-3	Benzene, 1,3-dimethyl-	4.37	2700	J
4. 3728-55-0	1-Ethyl-3-methylcyclohexane	4.60	1200	J
5.	ACP	4.76	910	J
6.	ACP	5.24	1900	J
7.	Unknown	5.34	860	J
8. 103-65-1	Benzene, propyl-	5.54	1200	J
9. 620-14-4	Benzene, 1-ethyl-3-methyl-	5.67	4000	J
10. 95-36-3	1,2,4-Trimethylbenzene	5.77	1900	J
11. 95-63-6	Benzene, 1,2,4-trimethyl-	6.14	3800	J
12. 108-67-8	Benzene, 1,3,5-trimethyl-	6.53	3500	J
13. 1074-43-7	Benzene, 1-methyl-3-propyl-	6.90	2400	J
14. 99-87-6	Benzene, 1-methyl-4-(1-methy	7.00	3900	J
15. 135-98-8	Benzene, (1-methylpropyl)-	7.12	1200	J
16. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	7.25	2400	J
17. 95-93-2	Benzene, 1,2,4,5-tetramethyl	7.78	980	J
18.	Unknown	7.84	910	J
19. 27133-93-3	2,3-Dihydro-1-methylindene	8.09	1100	J
20. 3333-13-9	Benzene, 1-methyl-4-(2-prope	8.23	1800	J
21.				
22.				
23.				
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30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A-5DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: 007DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112718.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/27/01

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	2000	UD
111-44-4	bis(2-Chloroethyl)ether	2000	UD
95-57-8	2-Chlorophenol	2000	UD
95-50-1	1,2-Dichlorobenzene	2000	UD
541-73-1	1,3-Dichlorobenzene	2000	UD
106-46-7	1,4-Dichlorobenzene	2000	UD
95-48-7	2-Methylphenol	2000	UD
108-60-1	2,2'-oxybis(1-Chloropropane)	2000	UD
65794-96-9	3+4-Methylphenols	4000	UD
621-64-7	n-Nitroso-di-n-propylamine	2000	UD
67-72-1	Hexachloroethane	2000	UD
98-95-3	Nitrobenzene	2000	UD
78-59-1	Isophorone	2000	UD
88-75-5	2-Nitrophenol	2000	UD
105-67-9	2,4-Dimethylphenol	2000	UD
111-91-1	bis(2-Chloroethoxy)methane	2000	UD
120-83-2	2,4-Dichlorophenol	2000	UD
120-82-1	1,2,4-Trichlorobenzene	2000	UD
91-20-3	Naphthalene	10000	D
106-47-8	4-Chloroaniline	2000	UD
87-68-3	Hexachlorobutadiene	2000	UD
59-50-7	4-Chloro-3-methylphenol	2000	UD
91-57-6	2-Methylnaphthalene	11000	D
77-47-4	Hexachlorocyclopentadiene	2000	UD
88-06-2	2,4,6-Trichlorophenol	2000	UD
95-95-4	2,4,5-Trichlorophenol	2000	UD
91-58-7	2-Chloronaphthalene	2000	UD
88-74-4	2-Nitroaniline	2000	UD
131-11-3	Dimethylphthalate	2000	UD
208-96-8	Acenaphthylene	2000	UD
606-20-2	2,6-Dinitrotoluene	2000	UD
99-09-2	3-Nitroaniline	2000	UD
83-32-9	Acenaphthene	2000	UD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A-5DL

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6809 Site: RIVERSIDE Location: LB17979 Group: HC-5B

Matrix: (soil/water) SOIL Lab Sample ID: O07DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: BB112718.D

Level: (low/med) LOW Date Received: 11/19/01

% Moisture: 16 decanted: (Y/N): N Date Extracted: 11/21/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/27/01

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	2000	UD
100-02-7	4-Nitrophenol	2000	UD
132-64-9	Dibenzofuran	240	JD
121-14-2	2,4-Dinitrotoluene	2000	UD
84-66-2	Diethylphthalate	2000	UD
7005-72-3	4-Chlorophenyl-phenylether	2000	UD
86-73-7	Fluorene	350	JD
100-01-6	4-Nitroaniline	2000	UD
534-52-1	4,6-Dinitro-2-methylphenol	2000	UD
86-30-6	n-Nitrosodiphenylamine	2000	UD
101-55-3	4-Bromophenyl-phenylether	2000	UD
118-74-1	Hexachlorobenzene	2000	UD
87-86-5	Pentachlorophenol	2000	UD
85-01-8	Phenanthrene	370	JD
120-12-7	Anthracene	2000	UD
86-74-8	Carbazole	2000	UD
84-74-2	Di-n-butylphthalate	2000	UD
206-44-0	Fluoranthene	2000	UD
129-00-0	Pyrene	2000	UD
85-68-7	Butylbenzylphthalate	2000	UD
91-94-1	3,3'-Dichlorobenzidine	2000	UD
56-55-3	Benzo(a)anthracene	2000	UD
218-01-9	Chrysene	2000	UD
117-81-7	Bis(2-Ethylhexyl)phthalate	2000	UD
117-84-0	Di-n-octyl phthalate	2000	UD
205-99-2	Benzo(b)fluoranthene	2000	UD
207-08-9	Benzo(k)fluoranthene	2000	UD
50-32-8	Benzo(a)pyrene	2000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	2000	UD
53-70-3	Dibenzo(a,h)anthracene	2000	UD
191-24-2	Benzo(g,h,i)perylene	2000	UD

CHEMTECH

LABORATORY REPORT

CLIENT: Holt Consulting

ATTN.: Jeff Holt

LAB RECEIVING #: N6809

Analysis Meth.: 418.1 **Matrix:** Solid **Analyzed:** 11/21/01 **Unit:** mg/Kg **Analyst:** bhupendra

	Lab Sample ID:		N6809-03	N6809-04	N6809-05	N6809-06	
	Client Sample ID:	Method Blank	B-2	B-2.5	B4-4'	B4-7'	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Total Petroleum Hydrocarbon		<40	7200	2500	2500	6600	40

	Lab Sample ID:		N6809-07	N6809-08	N6809-09	N6809-10	
	Client Sample ID:	Method Blank	A-5	B-5	C-2	AB-2.5	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Total Petroleum Hydrocarbon		<40	2500	10000	71	99	40

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NYSDOH Certification No. 10624

☐ 284 Sheffield Street
Mountainside, NJ 07092
Tel 908.789.8900 Fax: 908.789.8922

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

CLIENT: Holt Consulting

ATTN.: Jeff Holt

LAB RECEIVING #: N6809

Analysis Meth.: 160.3 **Matrix:** Solid **Analyzed:** 11/20/01

Unit: % **Analyst:** hina

	Lab Sample ID:		N6809-03	N6809-04	N6809-05	N6809-06	
	Client Sample ID:	Method Blank	B-2	B-2.5	B4-4'	B4-7'	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Percent Solids			80.9	83.9	93.5	81.7	

	Lab Sample ID:		N6809-07	N6809-08	N6809-09	N6809-10	
	Client Sample ID:	Method Blank	A-5	B-5	C-2	AB-2.5	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Percent Solids			83.6	87.1	85.0	67.6	

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.568.7400 Fax: 201.567.3231

NYSDOH Certification No. 10624

☐ 284 Sheffield Street
Mountainside, NJ 07092
Tel 908.789.8900 Fax: 908.789.8922

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

APPENDIX 6

GROUND WATER ORGANIC LAB RESULTS

Monitoring Well Water
VOC & Semi-VOC
Laboratory Results
September 2000

Monitoring Well Water
VOC & Semi-VOC
Laboratory Results
September 2000

CHEMTECH 205 Campus Plaza 1 • Edison, NJ 08837 Phone: 732.225.4111 Fax: 732.225.4110

DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH PARK
PROJECT # 99-158.01

HOLT CONSULTING
620 WASHINGTON AVE
RENSSELAER, NY 12144
518-432-9021

CHEMTECH PROJECT # **L1239ASP**
ATTENTION **STEPHEN B.LE FEVRE**

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34028

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14903.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34028

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14903.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14904.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	2.5	J
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichlorcethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1E

SAMPLE NO.

HC-1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034028

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14903.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14904.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

HC-2

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING (shallow)

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034029

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14904.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34030

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14905.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	8	
1330-20-7	Total Xylenes	3	J
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34030

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14905.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

HC-2A

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING (deep)

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034030

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14905.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 4 Concentration Units: (ug/L or ug/Kg) ug/L

54

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 110-82-7	Cyclohexane	10.17	23	J
2.	Unknown	11.81	~~23~~	J
3. 108-87-2	Cyclohexane, methyl-	14.10	26	J
4. 611-14-3	Benzene, 1-ethyl-2-methyl-	23.15	5	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34031

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14906.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34031

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14906.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

HC-3

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A! Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034031

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14906.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34032

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14907.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34032

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14907.D

Level: (low/med) • Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4

Lab Name: CHEMTECH Contract: HOLT CONSULTING (deep)

Project No.: L1239A: Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034032

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14907.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/L

18

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 4516-69-2	Cyclopentane, 1,1,3-trimethy	13.73	12	J
2. 4850-28-6	Cyclopentane, 1,2,4-trimethy	14.32	6	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34033

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14908.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	3.9	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34033

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14908.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING (shallow)

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034033

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14908.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 15 Concentration Units: (ug/L or ug/Kg) ug/L

355

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 96-37-7	Cyclopentane, methyl-	10.17	51	J
2. 110-82-7	Cyclohexane	11.83	51	J
3. 1638-26-2	Cyclopentane, 1,1-dimethyl-	11.95	12	J
4. 2532-58-3	Cyclopentane, 1,3-dimethyl-,	12.28	12	J
5. 822-50-4	Cyclopentane, 1,2-dimethyl-,	12.54	20	J
6. 108-87-2	Cyclohexane, methyl-	14.10	57	J
7. 2207-03-6	Cyclohexane, 1,3-dimethyl-,	15.98	14	J
8. 611-14-3	Benzene, 1-ethyl-2-methyl-	23.16	18	J
9. 496-11-7	Indane	24.90	22	J
10. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	25.46	11	J
11. 767-58-8	Indan, 1-methyl-	25.92	25	J
12. 824-22-6	1H-Indene, 2,3-dihydro-4-met	27.19	13	J
13. 95-93-2	Benzene, 1,2,4,5-tetramethyl	27.35	11	J
14. 27133-93-3	2,3-Dihydro-1-methylindene	27.59	27	J
15. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	28.61	11	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34034

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14909.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSIDE Location: LB17075 Group: HC-2D

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BA101412.D

Level: (low/med) Date Received: 10/4/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/9/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	4.1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101122.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	1.4	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101122.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.3	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	1.1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N604 Site: RIVERSI Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101122.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.84	7	J
2. 611-14-3	Benzene, 1-ethyl-2-methyl-	6.42	9.8	J
3. 622-96-8	Benzene, 1-ethyl-4-methyl-	7.27	8.6	J
4. 141-93-5	Benzene, 1,3-diethyl-	7.78	4.3	J
5. 135-01-3	Benzene, 1,2-diethyl-	7.97	6.8	J
6. 767-58-8	Indan, 1-methyl-	8.48	39	J
7. 527-53-7	Benzene, 1,2,3,5-tetramethyl	9.05	4.5	J
8. 874-35-1	1H-Indene, 2,3-dihydro-5-met	9.48	7.1	J
9. 27133-93-3	2,3-Dihydro-1-methylindene	9.63	19	J
10. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	10.47	8.1	J
11. 4489-84-3	Benzene, (3-methyl-2-butenyl	11.60	6.1	J
12.	Unknown	11.68	4.5	J
13.	Unknown	11.91	5.6	J
14.	Unknown	12.11	4.4	J
15. 90-12-0	Naphthalene, 1-methyl-	12.46	8.9	J
16. 582-16-1	Naphthalene, 2,7-dimethyl-	14.48	7.8	J
17.	Unknown	16.47	4.5	J
18. 4242-18-6	1-Naphthalenecarboxylic acid	17.43	6.1	J
19. 57-10-3	Hexadecanoic acid	21.14	9.1	J
20.	Unknown	29.02	9.1	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101123.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101123.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N604 Site: RIVERSI Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101123.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 10 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.84	3.9	J
2. 90-43-7	o-Hydroxybiphenyl	15.56	2.4	J
3.	Unknown	17.40	9.3	J
4.	Unknown	17.87	2.6	J
5. 25154-52-3	Phenol, nonyl-	18.14	3.1	J
6.	Unknown	18.26	2	J
7.	Unknown	18.73	2.6	J
8. 57-10-3	Hexadecanoic acid	21.12	9.4	J
9.	Unknown	26.60	4.1	J
10. 1120-07-6	Nonanamide	29.00	8.4	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101112.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/11/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101112.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/11/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	2.6	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N604 Site: RIVERSI Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: O05

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101112.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/11/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.86	7.9	J
2.	Unknown	6.28	5.8	J
3. 493-02-7	Naphthalene, decahydro-, tra	7.92	5.6	J
4. 17301-28-9	Undecane, 3,6-dimethyl-	10.69	9.4	J
5. 62016-33-5	Octane, 2,3,6-trimethyl-	11.67	11	J
6. 54340-86-2	Benzene, 4-(2-butenyl)-1,2-d	12.10	9.5	J
7. 13287-21-3	Tridecane, 6-methyl-	12.39	5.4	J
8.	Unknown	13.71	11	J
9.	Unknown	14.16	6.7	J
10. 54105-66-7	Cyclohexane, undecyl-	14.45	7.8	J
11. 3891-98-3	Dodecane, 2,6,10-trimethyl-	14.57	10	J
12. 630-01-3	Hexacosane	15.89	7	J
13. 1560-96-9	Tridecane, 2-methyl-	17.16	10	J
14. 1921-70-6	Pentadecane, 2,6,10,14-tetra	17.90	18	J
15. 25154-52-3	Phenol, nonyl-	18.15	6.5	J
16. 4292-75-5	Cyclohexane, hexyl-	18.70	6.6	J
17. 3891-98-3	Dodecane, 2,6,10-trimethyl-	19.18	8.6	J
18. 57-10-3	Hexadecanoic acid	21.09	13	J
19.	Unknown	27.11	6.9	J
20.	Unknown	29.00	17	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101113.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101113.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N604 Site: RIVERSI Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101113.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 7 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.86	5.9	J
2.	Unknown	9.54	2	J
3. 90-43-7	o-Hydroxybiphenyl	15.56	2	J
4.	Unknown	16.47	2.2	J
5. 55045-07-3	Dodecane, 2-methyl-8-propyl-	17.89	3.1	J
6. 57-10-3	Hexadecanoic acid	21.08	5.6	J
7. 301-02-0	9-Octadecenamide, (Z)-	29.01	7.9	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP#5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: 007

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101121.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP#5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101121.D

Level: (low/med) _____ Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	2.3	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
DUP#5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N604 Site: RIVERSI Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101121.D

Level: (low/med) Date Received: 9/28/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/12/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.84	5.2	J
2. 17301-28-9	Undecane, 3,6-dimethyl-	10.69	7.4	J
3. 62016-34-6	Octane, 2,3,7-trimethyl-	11.67	6.5	J
4. 5557-93-7	Benzene, 1-(1-methylethenyl)	12.11	3.2	J
5.	Unknown	12.31	3.3	J
6. 62108-21-8	Decane, 6-ethyl-2-methyl-	12.41	3.5	J
7.	Unknown	13.71	3.4	J
8. 1795-15-9	Cyclohexane, octyl-	14.45	4.2	J
9. 74645-98-0	Dodecane, 2,7,10-trimethyl-	14.57	6	J
10. 62016-37-9	Octane, 2,4,6-trimethyl-	15.89	4.5	J
11.	Unknown	16.47	3.7	J
12. 112-95-8	Eicosane	17.17	6.5	J
13. 74645-98-0	Dodecane, 2,7,10-trimethyl-	17.91	12	J
14. 25154-52-3	Phenol, nonyl-	18.15	5.9	J
15.	Unknown	18.50	3.8	J
16. 1795-15-9	Cyclohexane, octyl-	18.69	4.1	J
17. 54833-48-6	Heptadecane, 2,6,10,15-tetra	19.20	6.8	J
18. 57-10-3	Hexadecanoic acid	21.11	13	J
19. 1454-85-9	1-Heptadecanol	26.62	6.5	J
20. 301-02-0	9-Octadecenamide, (Z)-	29.01	21	J
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CHEMTECH

LABORATORY REPORT

CLIENT: Holt Consulting

ATTN.: Jeff Holt

LAB RECEIVING #: N6045

Analysis Meth.: 418.1

Matrix: Water
Unit: mg/L

Analyzed: 10/11/01
Analyst: BHUPENDRA

	Lab Sample ID:		N6045-03	N6045-04	N6045-05	N6045-06	
	Client Sample ID:	Method Blank	HC-4S	HC-4D	HC-5	HC-6	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Total Petroleum Hydrocarbon		<1.0	1.0	<1.0	4.2	<1.0	1

	Lab Sample ID:		N6045-07	N6045-09	N6045-10	
	Client Sample ID:	Method Blank	DUPE#5	MARIXSPIKE(#5)	MARIXSPIKEDUP	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	
Total Petroleum Hydrocarbon		<1.0	3.8	5.3	5.1	1

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NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

CLIENT: Holt Consulting

ATTN.: Jeff Holt

LAB RECEIVING #: N6125

Analysis Meth.: 418.1

Matrix: Water
Unit: mg/L

Analyzed: 10/15/01
Analyst: BHUPENDRA

	Lab Sample ID:		N6125-01	N6125-02	
	Client Sample ID:	Method Blank	HC-2D	HC-2S	Detection Limit
COMPOUNDS:	D.F.:		1	1	
Total Petroleum Hydrocarbon		<1.0	<1.0	6.3	1

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SBLK01

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N604 Site: RIVERSI Location: LB16896 Group: HC-2S

Matrix: (soil/water) WATER Lab Sample ID: SBLKW1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BB101110.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/4/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/11/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	3.91	6.7	J
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Geoprobe Water
VOC & Semi-VOC
Laboratory Results

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH PARK
PROJECT # 158.03

HOLT CONSULTING
620 WASHINGTON AVE
RENSSELAER, NY 12144
518-432-9021

CHEMTECH PROJECT # N6073
ATTENTION JEFF HOLT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Other
HC-4-1	N6073-1	SW846 8260B	SW846 8270C	N/A	N/A	N/A	TPH 418.1
HC-4-2	N6073-2	SW846 8260B	SW846 8270C	N/A	N/A	N/A	TPH 418.1
HC-5-1	N6073-3	SW846 8260B	SW846 8270C	N/A	N/A	N/A	TPH 418.1
HC-5-2	N6073-4	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
HC-5-3	N6073-5	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
HC-6	N6073-6	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
5-2 DUPE	N6073-7	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
MS(5-1)	N6073-8	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
.MSD(5-1)	N6073-9	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
TRIP BLANK	N6073-10	SW846 8260B	N/A	N/A	N/A	N/A	N/A

NON CLP methodology

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N6073-1	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-2	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-3	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-4	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-5	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-6	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-7	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-8	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-9	WATER	9/28/01	9/28/01	N/A	10/12/01
N6073-10	WATER	9/28/01	9/28/01	N/A	10/11/01

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N6073-1	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-2	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-3	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-4	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-5	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-6	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-7	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-8	WATER	9/28/01	9/28/01	10/8/01	10/8/01
N6073-9	WATER	9/28/01	9/28/01	10/8/01	10/8/01

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxilary Cleanup	Dil/Conc Factor
N6073-1	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-2	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-3	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-4	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-5	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-6	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-7	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-8	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6073-9	WATER	SW846 MAY 1997	3510A	N/A	N/A

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
N6073-4	WATER	FULL TCL	9/28/01	10/5,12/01
N6073-5	WATER	FULL TCL	9/28/01	10/5,12/01
N6073-6	WATER	FULL TCL	9/28/01	10/5,12/01
N6073-7	WATER	FULL TCL	9/28/01	10/5,12/01
N6073-8	WATER	FULL TCL	9/28/01	10/5,12/01
N6073-9	WATER	FULL TCL	9/28/01	10/5,12/01

Digested on 10/3,12/01 by method SW846 (3010B)

Analyzed by methods SW846 (6010B and 7471)

CHEMTECH

LABORATORY REPORT

CLIENT: Holt Consulting

ATTN.: Jeff Holt

LAB RECEIVING #: N6073

Analysis Meth.: 418.1 **Matrix:** Water **Analyzed:** 10/15/01 **Unit:** mg/L **Analyst:** BHUPENDRA

	Lab Sample ID:		N6073-01	N6073-02	N6073-03	N6073-04	
	Client Sample ID:	Method Blank	HC-4-1	HC-4-2	HC-4-3	HC-5-1	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Total Petroleum Hydrocarbon		<1.0	2.0	7.8	<1.0	5.7	1

	Lab Sample ID:		N6073-05	N6073-06	N6073-07	N6073-08	
	Client Sample ID:	Method Blank	HC-5-2	HC-5-3	5-2DUPE	MATRIXSPIKE(5-	Detection Limit
COMPOUNDS:	D.F.:		1	1	1	1	
Total Petroleum Hydrocarbon		<1.0	<1.0	5.8	<1.0	7.8	1

	Lab Sample ID:		N6073-09				
	Client Sample ID:	Method Blank	MATRIXSPIKEDU				Detection Limit
COMPOUNDS:	D.F.:		1				
Total Petroleum Hydrocarbon		<1.0	7.8				1

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101129.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101129.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-4-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101129.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 7 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	11.02	6.3	J
2.	Column Bleed	11.14	12	J
3. 110-86-1	Pyridine	11.53	12	J
4. 96-37-7	Cyclopentane, methyl-	13.59	7	J
5. 110-82-7	Cyclohexane	15.28	9.2	J
6. 496-11-7	Indane	29.20	6.1	J
7. 1005-64-7	(E)-1-Phenyl-1-butene	32.92	5.4	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101130.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101130.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

HC-4-2

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101130.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 5 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	11.16	7.1	J
2.	Unknown	11.61	5.1	J
3. 2100-17-6	4-Pentenal	15.39	7.1	J
4. 583-57-3	Cyclohexane, 1,2-dimethyl- (	19.45	6.1	J
5. 1678-91-7	Cyclohexane, ethyl-	21.59	6.7	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101135.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101135.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101135.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101136.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101136.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-5-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101136.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	11.13	11	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101137.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101137.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

HC-5-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101137.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 3 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 79-29-8	Butane, 2,3-dimethyl-	10.24	6.9	J
2.	Column Bleed	11.14	6.2	J
3. 16883-48-0	Cyclopentane, 1,2,4-trimethy	17.73	5.6	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101138.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101138.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101138.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Column Bleed	11.13	5.8	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

5-2DUPE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 007

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101139.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

5-2DUPE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101139.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

5-2DUPE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 007

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101139.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 79-29-8	Butane, 2,3-dimethyl-	10.25	5.7	J
2.	Column Bleed	11.13	7.7	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

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Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101124.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/11/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101124.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/11/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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SAMPLE NO.

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No. N6073 Site: RIVERSID Location: LB17037 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VG101124.D

Level: (low/med) Date Received: 9/29/01

% Moisture: not dec. 100 Date Analyzed: 10/11/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 001

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100808.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	1.2	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	16	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	1.4	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100808.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	1	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.9	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	2.5	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100808.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.45	13	J
2. 2039-89-6	Benzene, 2-ethenyl-1,4-dimet	9.24	12	J
3. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	9.93	4.7	J
4.	Unknown	11.31	6.1	J
5.	Unknown	12.49	5.2	J
6. 571-61-9	Naphthalene, 1,5-dimethyl-	12.82	5.9	J
7. 581-40-8	Naphthalene, 2,3-dimethyl-	13.02	6.1	J
8.	Unknown	13.16	5.8	J
9. 573-98-8	Naphthalene, 1,2-dimethyl-	13.48	7.7	J
10.	Unknown	14.04	4.9	J
11. 829-26-5	Naphthalene, 2,3,6-trimethyl	14.78	5.2	J
12.	Unknown	15.30	4.9	J
13.	Unknown	15.35	5.2	J
14.	Unknown	15.99	31	J
15.	Unknown	17.57	5.3	J
16. 57-10-3	Hexadecanoic acid	18.93	12	J
17.	Butyl hexadecanoate	20.89	23	J
18.	Unknown	22.36	7.7	J
19. 123-95-5	Octadecanoic acid, butyl est	22.60	150	J
20.	Unknown	25.60	12	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: BC100809.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	4.2	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	1.5	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 002

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: BC100809.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.1	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	2.3	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: BC100809.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.43	11	J
2. 2051-30-1	Octane, 2,6-dimethyl-	5.73	20	J
3. 17301-94-9	Nonane, 4-methyl-	6.17	18	J
4. 4291-80-9	Cyclohexane, 1-methyl-3-prop	6.56	12	J
5. 2847-72-5	Decane, 4-methyl-	7.14	12	J
6. 2039-89-6	Benzene, 2-ethenyl-1,4-dimet	9.24	11	J
7. 17301-23-4	Undecane, 2,6-dimethyl-	10.03	14	J
8. 696-29-7	Cyclohexane, (1-methylethyl)	10.45	11	J
9.	Unknown	10.85	15	J
10.	Unknown	11.12	11	J
11. 61142-20-9	Cyclohexane, (4-methylpentyl	11.87	12	J
12.	Unknown	13.04	13	J
13. 6975-98-0	Decane, 2-methyl-	13.34	12	J
14. 62108-26-3	Decane, 2,6,8-trimethyl-	15.54	17	J
15. 4242-18-6	1-Naphthalenecarboxylic acid	15.90	25	J
16. 54105-67-8	Heptadecane, 2,6-dimethyl-	16.17	18	J
17. 57-10-3	Hexadecanoic acid	18.94	17	J
18.	Butyl tetradecanoate (myrist	19.07	36	J
19.	Unknown	19.43	38	J
20.	Unknown	20.89	22	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100810.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	1.1	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 003

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100810.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100810.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 16 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.44	15	J
2. 56253-64-6	Benzene, (2-methyl-1-butenyl	9.03	3.6	J
3. 6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	9.87	5.3	J
4. 1559-81-5	Naphthalene, 1,2,3,4-tetrahy	9.93	7.2	J
5.	Unknown	11.10	3.5	J
6. 629-59-4	Tetradecane	12.55	4	J
7. 581-42-0	Naphthalene, 2,6-dimethyl-	13.32	4.7	J
8.	Unknown	14.70	2.6	J
9. 4242-18-6	1-Naphthalenecarboxylic acid	15.90	38	J
10. 57-10-3	Hexadecanoic acid	18.91	14	J
11.	Unknown	19.42	31	J
12. 295-48-7	Cyclopentadecane	20.55	11	J
13.	Unknown	20.89	31	J
14.	Unknown	22.56	4.6	J
15. 78-51-3	Ethanol, 2-butoxy-, phosphat	22.85	10	J
16.	Unknown	25.60	8.6	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: BC100807.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: BC100807.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	6.1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: BC100807.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.43	18	J
2.	Unknown	5.22	8.2	J
3.	Unknown	5.66	8.6	J
4. 7154-79-2	Pentane, 2,2,3,3-tetramethyl	5.76	10	J
5. 6783-92-2	Cyclohexane, 1,1,2,3-tetrame	5.88	16	J
6.	Unknown Hydrocarbon	6.20	7.7	J
7.	Unknown Hydrocarbon	6.40	24	J
8.	Unknown	7.23	13	J
9. 2040-96-2	Cyclopentane, propyl-	7.76	10	J
10. 61142-70-9	Cyclohexane, 2,4-diethyl-1-m	8.05	8.5	J
11. 7206-17-9	6-Dodecene, (E)-	8.22	7.9	J
12. 2958-76-1	Naphthalene, decahydro-2-met	8.61	7.3	J
13.	Unknown	8.86	14	J
14.	Unknown	9.64	11	J
15. 18344-37-1	Heptadecane, 2,6,10,14-tetra	10.04	9.3	J
16. 54676-39-0	Cyclohexane, 2-butyl-1,1,3-t	10.24	12	J
17.	Unknown	10.56	10	J
18. 57-10-3	Hexadecanoic acid	18.88	9	J
19. 629-50-5	Tridecane	28.13	15	J
20. 630-06-8	Hexatriacontane	31.22	9	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: BC100811.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: BC100811.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1.7	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.4	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	11	
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: BC100811.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 583-57-3	Cyclohexane, 1,2-dimethyl- (	3.71	8.3	J
2.	ACP	4.44	9.7	J
3.	Unknown	6.90	7.1	J
4. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	8.87	7.2	J
5. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	9.03	7.6	J
6. 874-35-1	1H-Indene, 2,3-dihydro-5-met	9.23	9.4	J
7. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	9.81	6.4	J
8. 56253-64-6	Benzene, (2-methyl-1-butenyl	9.87	8.9	J
9. 6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	9.93	13	J
10. 4668-81-9	5H-Inden-5-one, octahydro-,	10.28	7	J
11.	Unknown	10.48	7.3	J
12.	Unknown	10.61	6.2	J
13. 1331-43-7	Cyclohexane, diethyl-	10.66	5.9	J
14. 26465-81-6	1H-Inden-1-one, 2,3-dihydro-	12.02	6.8	J
15. 16587-50-1	Benzo[b]thiophene, 3,6-dimet	12.85	9.3	J
16. 581-42-0	Naphthalene, 2,6-dimethyl-	13.33	6.3	J
17. 53774-19-9	3-Pentenoic acid, 4-phenyl-	15.99	28	J
18. 57-10-3	Hexadecanoic acid	18.95	21	J
19. 57-11-4	Octadecanoic acid	20.76	6.4	J
20. 301-02-0	9-Octadecenamide, (Z)-	25.60	7.2	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100812.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	2.6	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100812.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1.1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	4	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	8.2	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-5-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100812.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.43	16	J
2. 2039-89-6	Benzene, 2-ethenyl-1,4-dimet	9.22	9.4	J
3. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	9.93	5.8	J
4. 19947-22-9	Benzene, (1-ethyl-2-propenyl	10.47	6.4	J
5. 1331-43-7	Cyclohexane, diethyl-	10.61	8.5	J
6. 6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	10.68	15	J
7. 1680-51-9	Naphthalene, 1,2,3,4-tetrahy	11.31	11	J
8. 300-57-2	Benzene, 2-propenyl-	12.13	6.2	J
9.	Unknown	13.16	7.8	J
10. 571-58-4	Naphthalene, 1,4-dimethyl-	13.48	8.5	J
11. 873-66-5	Benzene, 1-propenyl-, (E)-	13.93	8.4	J
12. 111-82-0	Dodecanoic acid, methyl este	14.14	5.9	J
13. 2131-42-2	Naphthalene, 1,4,6-trimethyl	14.60	7.8	J
14. 2489-86-3	Naphthalene, 1-(2-propenyl)-	15.21	8.1	J
15.	Unknown	15.65	9.1	J
16. 4242-18-6	1-Naphthalenecarboxylic acid	16.07	60	J
17. 53774-19-9	3-Pentenoic acid, 4-phenyl-	16.31	24	J
18.	Unknown	17.58	7	J
19. 57-10-3	Hexadecanoic acid	18.94	15	J
20.	Unknown	25.61	8.7	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

5-2DUPE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 007

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100813.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

5-2DUPE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6073 Site: RIVERSIDE Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100813.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1.3	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.4	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	4.8	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
5-2DUPE

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: 007

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100813.D

Level: (low/med) Date Received: 9/29/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/8/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.43	15	J
2. 4175-53-5	1H-Indene, 2,3-dihydro-1,3-d	9.04	7.4	J
3. 824-22-6	1H-Indene, 2,3-dihydro-4-met	9.23	10	J
4. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	9.87	8.6	J
5.	Unknown	9.94	13	J
6. 1839-63-0	Cyclohexane, 1,3,5-trimethyl	10.66	8.8	J
7. 14276-95-0	1H-Indene, 2,3-dihydro-1,1,6	11.77	10	J
8. 873-66-5	Benzene, 1-propenyl-, (E)-	12.68	7.9	J
9. 16587-40-9	Benzo[b]thiophene, 2,7-dimet	12.84	13	J
10.	Unknown	12.98	7.7	J
11. 581-42-0	Naphthalene, 2,6-dimethyl-	13.32	9.3	J
12.	Unknown	13.43	12	J
13.	Unknown	14.65	7.8	J
14.	Unknown	14.93	8.5	J
15.	Unknown	15.35	7.7	J
16. 926-55-6	1-Penten-3-yne, 2-methyl-	15.51	8.6	J
17. 4242-18-6	1-Naphthalenecarboxylic acid	16.00	32	J
18.	Unknown	16.23	8.3	J
19. 57-10-3	Hexadecanoic acid	18.95	14	J
20. 301-02-0	9-Octadecenamide, (Z)-	25.60	12	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SBLK01

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: SBLKW1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100803.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/7/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.43	12	J
2.	Unknown	26.09	8.8	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SBLK01

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N607 Site: RIVERSI Location: LB16804 Group: HC-4-1

Matrix: (soil/water) WATER Lab Sample ID: SBLKW1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BC100803.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N) N Date Extracted: 10/8/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/7/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	4.43	12	J
2.	Unknown	26.09	8.8	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34035

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14910.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34035

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14910.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1E

SAMPLE NO.

HC-6

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034035

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14910.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 6 Concentration Units: (ug/L or ug/Kg) ug/L

48

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 4850-28-6	Cyclopentane, 1,2,4-trimethy	14.33	8	J
2. 6876-23-9	Cyclohexane, 1,2-dimethyl-,	16.78	7	J
3. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	17.96	20	J
4. 7667-60-9	Cyclohexane, 1,2,4-trimethyl	18.42	6	J
5.	Unknown	19.65	~~5~~	J
6. 4926-78-7	Cyclohexane, 1-ethyl-4-methy	20.31	7	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34036

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14911.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34036

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14911.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-7

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A! Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034036

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14911.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

93

Number TICs found: 10 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 594-82-1	Butane, 2,2,3,3-tetramethyl-	11.96	7	J
2. 4516-69-2	Cyclopentane, 1,1,3-trimethy	13.73	9	J
3. 4850-28-6	Cyclopentane, 1,2,4-trimethy	14.33	10	J
4. 6876-23-9	Cyclohexane, 1,2-dimethyl-,	16.78	9	J
5. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	17.97	25	J
6. 7667-60-9	Cyclohexane, 1,2,4-trimethyl	18.42	7	J
7. 1678-81-5	Cyclohexane, 1,2,3-trimethyl	19.30	6	J
8. 7058-05-1	Cyclohexane, 1-ethyl-2,3-dim	19.66	7	J
9. 6236-88-0	Cyclohexane, 1-ethyl-4-methy	20.31	6	J
10. 280-65-9	Bicyclo[3.3.1]nonane	20.97	7	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34037

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14902.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
108-0504	Vinyl Acetate	25	U
540-59-0	1,2-Dichloroethene Total	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
110-75-8	2-Chloroethyl Vinyl ether	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
1330-20-7	Total Xylenes	5	U
95-47-6	o-Xylene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34037

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14902.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034037

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14902.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
VBLKW01

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: VBLKW01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14901.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
VBLKW02

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A! Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: VBLKW02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14918.D

Level: (low/med) ______ Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/13/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: ______ (uL) Soil Aliquot Volume: ______ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091233.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-1

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091233.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	2.3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-1

Lab Name: CHEMTECH   Contract: HOLT CONSULTING

Project No.: L1239   Site: RIVERSID   Location: ______   Group: HC-1

Matrix: (soil/water) WATER   Lab Sample ID: 001

Sample wt/vol: 970.0 (g/mL) ML   Lab File ID: BS091233.D

Level: (low/med) ______   Date Received: 09/08/01

% Moisture: 100   decanted: (Y/N) N   Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL)   Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH: ______

Number TICs found: 3   Concentration Units: (ug/L or ug/Kg) ug/L

6

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.68	~~15~~	JB
2.	2,4-Diphenyl-4-methyl-1(E)-p	14.99	2	J
3. 629-96-9	1-Eicosanol	20.44	4	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091232.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	6.2	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091232.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.1	J
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-2

(shallow)

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239 Site: RIVERSID Location: ______ Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 002

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091232.D

Level: (low/med) ______ Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______

138

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.68	~~13~~	~~JB~~
2. 622-96-8	Benzene, 1-ethyl-4-methyl-	4.40	6	J
3. 141-93-5	Benzene, 1,3-diethyl-	6.11	4	J
4. 768-49-0	Benzene, (2-methyl-1-propeny	6.76	17	J
5. 933-98-2	Benzene, 1-ethyl-2,3-dimethy	7.29	10	J
6. 874-41-9	Benzene, 1-ethyl-2,4-dimethy	7.36	5	J
7. 2039-89-6	Benzene, 2-ethenyl-1,4-dimet	7.65	12	J
8. 27133-93-3	2,3-Dihydro-1-methylindene	7.80	18	J
9. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	8.39	11	J
10. 6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	8.54	16	J
11. 700-12-9	Benzene, pentamethyl-	8.73	5	J
12. 17301-23-4	Undecane, 2,6-dimethyl-	8.82	4	J
13. 826-18-6	Benzene, 1-pentenyl-	9.05	7	J
14. 26730-14-3	Tridecane, 7-methyl-	9.59	4	J
15.	Unknown	9.65	~~5~~	J
16. 31295-56-4	Dodecane, 2,6,11-trimethyl-	10.82	4	J
17. 2131-42-2	Naphthalene, 1,4,6-trimethyl	12.67	5	J
18.	Unknown	12.85	~~7~~	J
19. 1921-70-6	Pentadecane, 2,6,10,14-tetra	14.22	5	J
20. 57-10-3	Hexadecanoic acid	16.62	5	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BL092003.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/20/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	1.3	J
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	3	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BL092003.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/20/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1.2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	3.5	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SAMPLE NO. **HC-2A** (deep

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH   Contract: HOLT CONSULTING

Project No.: L1239   Site: RIVERSIC   Location: ______   Group: HC-1

Matrix: (soil/water) WATER   Lab Sample ID: 003

Sample wt/vol: 970.0 (g/mL) ML   Lab File ID: BL092003.D

Level: (low/med) ______   Date Received: 09/08/01

% Moisture: 100   decanted: (Y/N) N   Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL)   Date Analyzed: 09/20/00

Injection Volume: 2.0 (uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH: ______

23

Concentration Units: (ug/L or ug/Kg) ug/L

Number TICs found: 10

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	5.17	~~28~~	JB
2. 100-41-4	Ethylbenzene	5.53	4	J
3.	Unknown	7.56	~~19~~	J
4. 526-73-8	Benzene, 1,2,3-trimethyl-	8.26	2	J
5. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	9.26	3	J
6. 768-00-3	Benzene, (1-methyl-1-propeny	10.34	4	J
7. 90-43-7	o-Hydroxybiphenyl	15.40	3	J
8. 57-10-3	Hexadecanoic acid	19.98	7	J
9.	Unknown	24.63	~~2~~	J
10.	Unknown	33.31	~~6~~	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091228.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091228.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	1.2	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-3

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L123S Site: RIVERSID Location: _____ Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091228.D

Level: (low/med) _____ Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

17

Number TICs found: 6 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.69	~~16~~	JB
2. 27133-93-3	2,3-Dihydro-1-methylindene	7.83	3	J
3. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	8.55	3	J
4. 53774-19-9	3-Pentenoic acid, 4-phenyl-	13.89	3	J
5. 57-10-3	Hexadecanoic acid	16.61	6	J
6. 629-96-9	1-Eicosanol	20.45	2	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O05

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091231.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O05

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091231.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	1.6	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4

Lab Name: CHEMTECH Contract: HOLT CONSULTING (deep)

Project No.: L1239 Site: RIVERSIC Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091231.D

Level: (low/med) Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

31

Number TICs found: 6 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.69	~~17~~	JB
2. 4166-46-5	3-Hexanol, 2,3-dimethyl-	4.34	14	J
3. 53774-19-9	3-Pentenoic acid, 4-phenyl-	13.93	9	J
4. 57-10-3	Hexadecanoic acid	16.62	6	J
5.	Unknown	18.19	~~2~~	J
6. 1454-84-8	1-Nonadecanol	20.46	2	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091234.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	15	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	1.6	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091234.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.5	J
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O34034

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14909.D

Level: (low/med) Date Received: 9/8/00

% Moisture: not dec. 100 Date Analyzed: 9/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

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SAMPLE NO.

HC-5

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239A Site: NY Location: RIVERSIDE TECH Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 034034

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M14909.D

Level: (low/med) Date Received: 09/08/00

% Moisture: not dec. 100 Date Analyzed: 09/12/00

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

247

Number TICs found: 15 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 96-37-7	Cyclopentane, methyl-	10.17	17	J
2. 589-34-4	Hexane, 3-methyl-	11.56	10	J
3. 1638-26-2	Cyclopentane, 1,1-dimethyl-	11.95	8	J
4. 1759-58-6	Cyclopentane, 1,3-dimethyl-,	12.27	25	J
5. 1192-18-3	Cyclopentane, 1,2-dimethyl-,	12.54	30	J
6. 4516-69-2	Cyclopentane, 1,1,3-trimethy	13.73	17	J
7. 2453-00-1	Cyclopentane, 1,3-dimethyl-	14.02	8	J
8. 108-87-2	Cyclohexane, methyl-	14.11	23	J
9. 4850-28-6	Cyclopentane, 1,2,4-trimethy	14.33	19	J
10. 1640-89-7	Cyclopentane, ethyl-	14.45	7	J
11. 2613-69-6	Cyclopentane, 1,2,3-trimethy	14.67	23	J
12. 4259-00-1	Cyclopentane, 1,1,2-trimethy	15.45	8	J
13. 2207-01-4	Cyclohexane, 1,2-dimethyl-,	15.97	26	J
14. 6876-23-9	Cyclohexane, 1,2-dimethyl-,	16.78	12	J
15. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	17.97	14	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-4A

Lab Name: CHEMTECH Contract: HOLT CONSULTING (Shallow)

Project No.: L123[illegible] Site: RIVERSID Location: _____ Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091234.D

Level: (low/med) _____ Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

169

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.68	~~19~~	JB
2. 526-73-8	Benzene, 1,2,3-trimethyl-	4.06	6	J
3. 611-14-3	Benzene, 1-ethyl-2-methyl-	4.40	12	J
4.	Unknown	5.47	~~9~~	J
5. 874-41-9	Benzene, 1-ethyl-2,4-dimethy	6.30	5	J
6. 1587-04-8	Benzene, 1-methyl-2-(2-prope	6.66	11	J
7. 27133-93-3	2,3-Dihydro-1-methylindene	6.76	23	J
8. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	7.29	6	J
9. 95-93-2	Benzene, 1,2,4,5-tetramethyl	7.36	10	J
10. 2039-89-6	Benzene, 2-ethenyl-1,4-dimet	7.65	10	J
11. 27133-93-3	2,3-Dihydro-1-methylindene	7.82	27	J
12. 527-53-7	Benzene, 1,2,3,5-tetramethyl	7.86	16	J
13. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	8.39	12	J
14.	Unknown	8.54	~~15~~	J
15. 826-18-6	Benzene, 1-pentenyl-	9.05	5	J
16. 17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	9.41	6	J
17.	Unknown	9.65	~~7~~	J
18. 571-61-9	Naphthalene, 1,5-dimethyl-	11.14	5	J
19. 581-40-8	Naphthalene, 2,3-dimethyl-	11.31	7	J
20. 4242-18-6	1-Naphthalenecarboxylic acid	13.97	8	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091235.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	7.9	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091235.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1.4	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlcrobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

SAMPLE NO.

HC-5

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239 Site: RIVERSIC Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 007

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091235.D

Level: (low/med) Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

62

Concentration Units:
Number TICs found: 20 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 16538-89-9	Cyclooctane, (1-methylpropyl	1.48	4	J
2.	ACP	1.69	~~15~~	JB
3.	Unknown	2.06	~~9~~	J
4.	Unknown	4.35	~~5~~	J
5. 1560-06-1	Benzene, 2-butenyl-	6.67	3	J
6. 1758-88-9	Benzene, 2-ethyl-1,4-dimethy	7.36	4	J
7. 56253-64-6	Benzene, (2-methyl-1-butenyl	7.67	4	J
8. 27133-93-3	2,3-Dihydro-1-methylindene	7.82	6	J
9. 99-87-6	Benzene, 1-methyl-4-(1-methy	7.86	3	J
10. 1559-81-5	Naphthalene, 1,2,3,4-tetrahy	8.42	6	J
11. 6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	8.54	6	J
12. 826-18-6	Benzene, 1-pentenyl-	9.05	3	J
13.	Unknown	9.43	~~5~~	J
14. 27257-18-7	1H-Pyrrolo[2,3-b]pyridine, 2	9.59	3	J
15. 17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	9.65	5	J
16. 939-27-5	Naphthalene, 2-ethyl-	11.02	3	J
17. 581-42-0	Naphthalene, 2,6-dimethyl-	11.14	5	J
18. 581-40-8	Naphthalene, 2,3-dimethyl-	11.31	8	J
19. 575-41-7	Naphthalene, 1,3-dimethyl-	11.52	3	J
20.	Unknown	18.08	~~4~~	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O08

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091221.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O08

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BS091221.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1.2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Sep-28-2001 10:58AM No.1233 P. 01/03

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239 Site: RIVERSID Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 008

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091221.D

Level: (low/med) Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

82

Concentration Units:
Number TICs found: 20 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.41	~~6~~	JB
2. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	1.48	13	J
3. 1795-26-2	Cyclohexane, 1,3,5-trimethyl	1.63	6	J
4. 123-42-2	2-Pentanone, 4-hydroxy-4-met	1.69	19	J
5.	Unknown	1.92	~~3~~	J
6. 4926-78-7	Cyclohexane, 1-ethyl-4-methy	2.12	3	J
7. 74764-55-9	Propanedinitrile, cyclohexyl	2.42	5	J
8. 286-08-8	Bicyclo[4.1.0]heptane	2.64	5	J
9.	Unknown	2.86	~~3~~	J
10.	Unknown	3.08	~~7~~	J
11. 14676-29-0	Heptane, 3-ethyl-2-methyl-	3.23	7	J
12. 4057-42-5	2-Octene, 2,6-dimethyl-	3.47	4	J
13.	Unknown	3.66	~~3~~	J
14.	Unknown	4.09	~~3~~	J
15.	Unknown	4.39	~~3~~	J
16. 17302-28-2	Nonane, 2,6-dimethyl-	5.57	3	J
17. 2958-76-1	Naphthalene, decahydro-2-met	7.36	4	J
18. 17301-23-4	Undecane, 2,6-dimethyl-	8.82	5	J
19. 75163-97-2	Octadecane, 2,6-dimethyl-	10.84	3	J
20. 1921-70-6	Pentadecane, 2,6,10,14-tetra	14.22	5	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O09

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BL092004.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/20/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	26	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-7

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239ASP Site: RIVERSIDE Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: O09

Sample wt/vol: 970.0 (g/mL ML Lab File ID: BL092004.D

Level: (low/med) Date Received: 9/8/00

% Moisture: 100 decanted: (Y/N): N Date Extracted: 9/8/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 9/20/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1.5	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

HC-7

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239 Site: RIVERSIC Location: ______ Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: 009

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BL092004.D

Level: (low/med) ______ Date Received: 09/08/01

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/20/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ______

110

Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	Unknown	4.48	~~5~~	J
2.	Unknown	4.91	~~5~~	J
3. 3452-97-9	1-Hexanol, 3,5,5-trimethyl-	5.02	4	J
4. 3073-66-3	Cyclohexane, 1,1,3-trimethyl	5.11	13	J
5.	ACP	5.17	~~29~~	J
6. 4126-78-7	Cycloheptane, methyl-	5.29	3	J
7. 1839-63-0	Cyclohexane, 1,3,5-trimethyl	5.35	6	J
8. 7094-26-0	Cyclohexane, 1,1,2-trimethyl	5.88	5	J
9. 4923-77-7	Cyclohexane, 1-ethyl-2-methy	6.29	7	J
10. 1124-63-6	Cyclohexanepropanol-	6.52	8	J
11. 5911-04-6	Nonane, 3-methyl-	6.67	12	J
12. 14676-29-0	Heptane, 3-ethyl-2-methyl-	6.80	6	J
13. 17615-91-7	Undecane, 5,6-dimethyl-	7.03	5	J
14. 53966-51-1	3-Octene, 4-ethyl-	7.15	8	J
15. 50991-09-8	1,1'-Bicyclohexyl, 2-methyl-	7.39	4	J
16. 4359-46-0	1,3-Dioxolane, 2-ethyl-4-met	7.57	12	J
17. 493-02-7	Naphthalene, decahydro-, tra	8.84	5	J
18. 1921-70-6	Pentadecane, 2,6,10,14-tetra	17.30	4	J
19. 57-10-3	Hexadecanoic acid	19.99	5	J
20. 1599-67-3	1-Docosene	24.64	3	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
SBLK01

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: L1239 Site: RIVERSID Location: Group: HC-1

Matrix: (soil/water) WATER Lab Sample ID: SBLK01

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: BS091409.D

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N) N Date Extracted: 09/08/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	ACP	1.65	12	J
2.				
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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-1**	**Batch:**	**QP 336**
Lab ID:	**34028/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2900.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	RIVERSIDE TECH PARK	MATRIX:	WATER
Client:	HOLT CONSULTING	Date Extracted:	9/8/00
Client ID:	HC-2	Batch:	QP 336
Lab ID:	34029/L1239ASP	Date Analyzed:	9/12/00
Filename:	PC2901.D	DILUTION:	1
Lab Project No:	L1239ASP	Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-2A**	**Batch:**	**QP 336**
Lab ID:	**34030/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2905.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-3**	**Batch:**	**QP 336**
Lab ID:	**34031/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2906.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-4**	**Batch:**	**QP 336**
Lab ID:	**34032/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2907.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-4A**	**Batch:**	**QP 336**
Lab ID:	**34033/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2908.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-5**	**Batch:**	**QP 336**
Lab ID:	**34034/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2909.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-6**	**Batch:**	**QP 336**
Lab ID:	**34035/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2910.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
POLYCHLORINATED BIPHENYLS
EPA METHOD 8082

Project Name :	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date Extracted:**	**9/8/00**
Client ID:	**HC-7**	**Batch:**	**QP 336**
Lab ID:	**34036/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PC2911.D**	**DILUTION:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L)	QUALIFIER	MDL (ug/L)
12674-11-2	AROCLOR 1016	U		0.5
11104-28-2	AROCLOR 1221	U		0.5
11141-16-5	AROCLOR 1232	U		0.5
53469-21-9	AROCLOR 1242	U		0.5
12672-29-6	AROCLOR 1248	U		0.5
11097-69-1	AROCLOR 1254	U		0.5
11096-82-5	AROCLOR 1260	U		0.5

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
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Project Name:	RIVERSIDE TECH PARK	MATRIX:	WATER
Client:	HOLT CONSULTING	Date extracted:	9/8/00
Client ID:	HC-1	Batch:	QP 335
Lab ID:	34028/L1239ASP	Date Analyzed:	9/12/00
Filename:	PS5483.D	Dilution:	1
Lab Project No:	L1239ASP	Analyst:	AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date extracted:**	**9/8/00**
Client ID:	**HC-2**	**Batch:**	**QP 335**
Lab ID:	**34029/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PS5484.D**	**Dilution:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
Client: HOLT CONSULTING
Client ID: HC-2A
Lab ID: 34030/L1239ASP
Filename: PS5515.D
Lab Project No: L1239ASP

MATRIX: WATER
Date extracted: 9/8/00
Batch: QP 335
Date Analyzed: 9/12/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
PESTICIDES

Project Name:	**RIVERSIDE TECH PARK**	**MATRIX:**	**WATER**
Client:	**HOLT CONSULTING**	**Date extracted:**	**9/8/00**
Client ID:	**HC-3**	**Batch:**	**QP 335**
Lab ID:	**34031/L1239ASP**	**Date Analyzed:**	**9/12/00**
Filename:	**PS5486.D**	**Dilution:**	**1**
Lab Project No:	**L1239ASP**	**Analyst:**	**AA**

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
Client: HOLT CONSULTING
Client ID: HC-4
Lab ID: 34032/L1239ASP
Filename: PS5487.D
Lab Project No: L1239ASP

MATRIX: WATER
Date extracted: 9/8/00
Batch: QP 335
Date Analyzed: 9/12/00
Dilution: 1
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

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Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
MATRIX: WATER
Client: HOLT CONSULTING
Date extracted: 9/8/00
Client ID: HC-4A
Batch: QP 335
Lab ID: 34033/L1239ASP
Date Analyzed: 9/12/00
Filename: PS5492.D
Dilution: 1
Lab Project No: L1239ASP
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

9/13

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
MATRIX: WATER

Client: HOLT CONSULTING
Date extracted: 9/8/00

Client ID: HC-5
Batch: QP 335

Lab ID: 34034/L1239ASP
Date Analyzed: 9/12/00

Filename: PS5493.D
Dilution: 1

Lab Project No: L1239ASP
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

8/9/13

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
MATRIX: WATER

Client: HOLT CONSULTING
Date extracted: 9/8/00

Client ID: HC-6
Batch: QP 335

Lab ID: 34035/L1239ASP
Date Analyzed: 9/12/00

Filename: PS5494.D
Dilution: 1

Lab Project No: L1239ASP
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION
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9/9/13

CHEMTECH, 205 Campus Plaza 1, Edison, NJ, 08837, Tel (732)225-4111 Fax (732)225-4110

Tabulated Analytical Report
PESTICIDES

Project Name: RIVERSIDE TECH PARK
MATRIX: WATER
Client: HOLT CONSULTING
Date extracted: 9/8/00
Client ID: HC-7
Batch: QP 335
Lab ID: 34036/L1239ASP
Date Analyzed: 9/12/00
Filename: PS5495.D
Dilution: 1
Lab Project No: L1239ASP
Analyst: AA

CAS #	COMPOUNDS	RESULTS (ug/L) PRIMARY	RESULTS (ug/L) CONFIRMATION	Q	MDL MDL (ug/L)
319-84-6	alpha-BHC	U	U		0.05
58-89-9	gamma-BHC (Lindane)	U	U		0.05
76-44-8	Heptachlor	U	U		0.05
309-00-2	Aldrin	U	U		0.05
319-85-7	beta-BHC	U	U		0.05
319-86-8	delta-BHC	U	U		0.05
1024-57-3	Heptachlor epoxide	U	U		0.05
959-98-8	Endosulfan I	U	U		0.05
5103-71-9	gamma-Chlordane	U	U		0.05
5103-74-2	alpha-Chlordane	U	U		0.05
72-55-9	4,4'-DDE	U	U		0.05
60-57-1	Dieldrin	U	U		0.05
72-20-8	Endrin	U	U		0.05
33213-65-9	Endosulfan II	U	U		0.05
72-54-8	4,4'-DDD	U	U		0.05
50-29-3	4,4'-DDT	U	U		0.05
7421-93-4	Endrin aldehyde	U	U		0.05
1031-07-8	Endosulfan Sulfate	U	U		0.05
72-43-5	Methoxychlor	U	U		0.05
53494-70-5	Endrin ketone	U	U		0.05
57-74-9	Chlordane	U	U		0.50
8001-35-2	Toxaphene	U	U		0.50

MDL = METHOD DETECTION LIMIT
U =UNDETECTED BELOW THE MDL
B = PRESENT IN THE ASSOCIATED BLANK
E = EXCEEDED CALIBRATION RANGE, DILUTION TO FOLLOW
D = DILUTION

9/13

Monitoring Well Water
VOC & Semi-VOC
Laboratory Results
September 2001

Monitoring Well Water
VOC & Semi-VOC
Laboratory Results
September 2001

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH
PROJECT # 158.03

HOLT CONSULTING
620 WASHINGTON AVE
RENSSELAER, NY 12144
518-432-9021

CHEMTECH PROJECT # N6045
ATTENTION JEFF HOLT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Other
HC-2S	N6045-1	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	N/A
HC-2D	N6045-2	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	N/A
HC-4S	N6045-3	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
HC-4D	N6045-4	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
HC-5	N6045-5	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
HC-6	N6045-6	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
DUPE#5	N6045-7	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
VOC-TB	N6045-8	SW846 8260B	SW846 8270C	N/A	N/A	N/A	N/A
MSDUPE#5	N6045-9	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1
MSDDUPE#5	N6045-10	SW846 8260B	SW846 8270C	N/A	N/A	SW846 6010B	TPH 418.1

NON CLP methodology

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N6045-1	WATER	9/27/01	9/28/01	N/A	10/3/01
N6045-2	WATER	9/27/01	9/28/01	N/A	10/3/01
N6045-3	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-4	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-5	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-6	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-7	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-8	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-9	WATER	9/27/01	9/28/01	N/A	10/4/01
N6045-10	WATER	9/27/01	9/28/01	N/A	10/4/01

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N6045-3	WATER	9/27/01	9/28/01	10/4/01	10/12/01
N6045-4	WATER	9/27/01	9/28/01	10/4/01	10/12/01
N6045-5	WATER	9/27/01	9/28/01	10/4/01	10/11/01
N6045-6	WATER	9/27/01	9/28/01	10/4/01	10/12/01
N6045-7	WATER	9/27/01	9/28/01	10/4/01	10/12/01
N6045-9	WATER	9/27/01	9/28/01	10/4/01	10/12/01
N6045-10	WATER	9/27/01	9/28/01	10/4/01	10/12/01

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxilary Cleanup	Dil/Conc Factor
N6045-3	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6045-4	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6045-5	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6045-6	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6045-7	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6045-9	WATER	SW846 MAY 1997	3510A	N/A	N/A
N6045-10	WATER	SW846 MAY 1997	3510A	N/A	N/A

6/2000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
N6045-5	WATER	FULL TCL	9/28/01	10/5,9/01
N6045-7	WATER	FULL TCL	9/28/01	10/5,9/01
N6045-9	WATER	FULL TCL	9/28/01	10/5,9/01
N6045-10	WATER	FULL TCL	9/28/01	10/5,9/01

Digested on 10/3,4/01 by method SW846 (3010B)
Analyzed by methods SW846 (6010B and 7471)

6/2000

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100311.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/3/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	6	
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	2.6	J
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	2.5	J
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	180	
136777-61-2	m/p-Xylenes	43	
95-47-6	o-Xylene	24	
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100311.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/3/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100309.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/3/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100309.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/3/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

HC-4S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.. N6045 Site: RIVERSIDELocation: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100317.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100317.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100318.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	19	
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-4D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 004

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100318.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100319.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100319.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100320.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	8.2	
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-6

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 006

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100320.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE#5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.. N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100321.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE#5

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100321.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VOC-TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100316.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
136777-61-2	m/p-Xylenes	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VOC-TRIPBLANK

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6045 Site: RIVERSIDE Location: LB16789 Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD100316.D

Level: (low/med) Date Received: 9/28/01

% Moisture: not dec. 100 Date Analyzed: 10/4/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

H5-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSIDE Location: LB17146 Group: 5971-VOA

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD101206.D

Level: (low/med) Date Received: 10/4/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	2.8	U
75-01-4	Vinyl Chloride	1.8	U
74-83-9	Bromomethane	1.9	U
75-00-3	Chloroethane	2.3	U
75-35-4	1,1-Dichloroethene	1.6	U
67-64-1	Acetone	5.8	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1.1	U
156-60-5	trans-1,2-Dichloroethene	1.7	U
75-34-3	1,1-Dichloroethane	1	U
78-93-3	2-Butanone	5.6	U
156-59-2	cis-1,2-Dichloroethene	1.8	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1.5	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	2.5	U
79-01-6	Trichloroethene	2.8	U
78-87-5	1,2-Dichloropropane	3.6	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	1.2	U
10061-02-6	t-1,3-Dichloropropene	1.7	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	1	U
127-18-4	Tetrachloroethene	1.6	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1.5	U
136777-61-2	m/p-Xylenes	1.5	U
95-47-6	o-Xylene	1.7	U
100-42-5	Styrene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

H5-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSIDE Location: LB17146 Group: 5971-V

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD101206.D

Level: (low/med) Date Received: 10/4/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	2.2	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

H5-5A

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSID Location: LB17146 Group: 5971-VOA

Matrix: (soil/water) WATER Lab Sample ID: O03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: VD101206.D

Level: (low/med) Date Received: 10/4/01

% Moisture: not dec. 100 Date Analyzed: 10/12/01

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 4850-28-6	Cyclopentane, 1,2,4-trimethy	15.42	5.5	J
2.				
3.				
4.				
5.				
6.				
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30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSIDE Location: LB17075 Group: HC-2D

Matrix: (soil/water) WATER Lab Sample ID: 002

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BA101411.D

Level: (low/med) Date Received: 10/4/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/9/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	8	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2S

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSIDE Location: LB17075 Group: HC-2D

Matrix: (soil/water) WATER Lab Sample ID: 002

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BA101411.D

Level: (low/med) Date Received: 10/4/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/9/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.5	J
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)phthalate	1.2	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

HC-2D

Lab Name: CHEMTECH Contract: HOLT CONSULTING

Project No.: N6125 Site: RIVERSIDE Location: LB17075 Group: HC-2D

Matrix: (soil/water) WATER Lab Sample ID: 001

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: BA101412.D

Level: (low/med) Date Received: 10/4/01

% Moisture: 100 decanted: (Y/N): N Date Extracted: 10/9/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/14/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
65794-96-9	3+4-Methylphenols	20	U
621-64-7	n-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U

APPENDIX 7

GROUND WATER INORGANIC/METALS LAB RESULTS

Monitoring Well Water
Metals
Laboratory Results
September 2000

Monitoring Well Water
Metals
Laboratory Results
September 2000

NYSDEC SAMPLE #

HC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED . Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34028S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	16.7			P
7440-39-3	Barium	167	B		P
7440-41-7	Beryllium	0.86	B		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	147000			P
7440-47-3	Chromium	21.4			P
7440-48-4	Cobalt	14.9	B		P
7440-50-8	Copper	40.9			P
7439-89-6	Iron	33200			P
7439-92-1	Lead	20.1			P
7439-95-4	Magnesium	24500			P
7439-96-5	Manganese	3140			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	36.3	B		P
7440-09-7	Potassium	12000		E	P
7782-49-2	Selenium	3.6	B		P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	19800		E	P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	27.2	B		P
7440-66-6	Zinc	136			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

HC-2

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34029S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4990			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	16.3			P
7440-39-3	Barium	84.9	B		P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	2.7	B		P
7440-70-2	Calcium	94300			P
7440-47-3	Chromium	7.7	B		P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	19.0	B		P
7439-89-6	Iron	18000			P
7439-92-1	Lead	29.4			P
7439-95-4	Magnesium	14700			P
7439-96-5	Manganese	1580			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	14.5	B		P
7440-09-7	Potassium	4310	B	E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	8720		E	P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	11.1	B		P
7440-66-6	Zinc	77.5			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

HC-2A

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34030S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	540			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	8.9	B		P
7440-39-3	Barium	104	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	5.4	B		P
7439-89-6	Iron	9860			P
7439-92-1	Lead	2.8	B		P
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	2430			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.6	B		P
7440-09-7	Potassium	5140		E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	92800		E	P
7440-28-0	Thallium	4.0	B		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	41.4			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

HC-3

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34031S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2870			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	44.4			P
7440-39-3	Barium	93.9	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	90500			P
7440-47-3	Chromium	5.7	B		P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	15.3	B		P
7439-89-6	Iron	23200			P
7439-92-1	Lead	4.3			P
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	2760			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	9.5	B		P
7440-09-7	Potassium	3210	B	E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	21300		E	P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	6.7	B		P
7440-66-6	Zinc	66.0			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

HC-4

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34032S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	719			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	5.8	B		P
7440-39-3	Barium	295			P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	227000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	11.1	B		P
7440-50-8	Copper	6.1	B		P
7439-89-6	Iron	13600			P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	50000			P
7439-96-5	Manganese	6450			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.1	B		P
7440-09-7	Potassium	3160	B	E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	100000		E	P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	42.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

HC-4A

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34033S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9740			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	14.8			P
7440-39-3	Barium	206			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	192000			P
7440-47-3	Chromium	17.9			P
7440-48-4	Cobalt	10.6	B		P
7440-50-8	Copper	32.0			P
7439-89-6	Iron	30300			P
7439-92-1	Lead	15.6			P
7439-95-4	Magnesium	42100			P
7439-96-5	Manganese	6580			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	24.9	B		P
7440-09-7	Potassium	4620	B	E	P
7782-49-2	Selenium	3.5	B		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	28900		E	P
7440-28-0	Thallium	7.3	B		P
7440-62-2	Vanadium	21.8	B		P
7440-66-6	Zinc	103			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

HC-5

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34034S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	104000			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	83.6			P
7440-39-3	Barium	1220			P
7440-41-7	Beryllium	6.6			P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	208			P
7440-48-4	Cobalt	102			P
7440-50-8	Copper	349			P
7439-89-6	Iron	236000			P
7439-92-1	Lead	177			P
7439-95-4	Magnesium	68500			P
7439-96-5	Manganese	6190			P
7439-97-6	Mercury	0.66			CV
7440-02-0	Nickel	271			P
7440-09-7	Potassium	26600		E	P
7782-49-2	Selenium	13.4			P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	111000		E	P
7440-28-0	Thallium	23.1			P
7440-62-2	Vanadium	222			P
7440-66-6	Zinc	696			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

HC-6

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34035S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22500			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	23.7			P
7440-39-3	Barium	252			P
7440-41-7	Beryllium	1.7	B		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	119000			P
7440-47-3	Chromium	39.5			P
7440-48-4	Cobalt	25.9	B		P
7440-50-8	Copper	111			P
7439-89-6	Iron	64400			P
7439-92-1	Lead	66.2			P
7439-95-4	Magnesium	36300			P
7439-96-5	Manganese	6420			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	70.2			P
7440-09-7	Potassium	9380		E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	86600		E	P
7440-28-0	Thallium	6.0	B		P
7440-62-2	Vanadium	76.8			P
7440-66-6	Zinc	247			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

NYSDEC SAMPLE #

HC-7

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEMED Case No.: SAS No.: SDG No.: L1239

Matrix (soil/water): WATER Lab Sample ID: 34036S

Level (low/med): LOW Date Received: 09/08/00

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30900			P
7440-36-0	Antimony	4.1	U		P
7440-38-2	Arsenic	34.0			P
7440-39-3	Barium	298			P
7440-41-7	Beryllium	2.3	B		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	137000			P
7440-47-3	Chromium	57.3			P
7440-48-4	Cobalt	35.7	B		P
7440-50-8	Copper	148			P
7439-89-6	Iron	85800			P
7439-92-1	Lead	93.4			P
7439-95-4	Magnesium	43200			P
7439-96-5	Manganese	6970			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	92.8			P
7440-09-7	Potassium	11700		E	P
7782-49-2	Selenium	2.5	B		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	95000		E	P
7440-28-0	Thallium	13.0			P
7440-62-2	Vanadium	104			P
7440-66-6	Zinc	318			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34028 SAMPLE ID- HC-1
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1250 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	20	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	1.2	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	23.0	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

LABORATORY DIRECTOR _____

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.568.7400 Fax: 201.567.3231

☑ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34029 SAMPLE ID- HC-2
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1330 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	15	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	5.9	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	21.0	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

LABORATORY DIRECTOR _____

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NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34030 SAMPLE ID- HC-2A
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1340 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	130	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	4.4	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	320	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

LABORATORY DIRECTOR _____

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NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CHEMTECH

LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34031 SAMPLE ID- HC-3
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1405 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	55	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	2.0	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	46.0	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34032 SAMPLE ID- HC-4
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1440 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	360	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	<1.0	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	230	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34033 SAMPLE ID- HC-4A
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1430 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	87	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	1.6	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	9.6	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34034 SAMPLE ID- HC-5
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1420 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	95	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	3.9	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	210	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34035 SAMPLE ID- HC-6
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1310 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	130	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	2.0	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	320	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

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LABORATORY REPORT

REPORT OF ANALYSES

HOLT CONSULTING
620 WASHINGTON AVENUE
RENSSELAER, NY 12114-

DATE: 09/14/00

PROJECT # L1239 ASP

SAMPLE NUMBER- 34036 SAMPLE ID- HC-7
DATE SAMPLED- 09/07/00 TIME SAMPLED- 1320 SAMPLER- CLIENT
DATE RECEIVED- 09/08/00 TIME RECEIVED- 0945
DELIVERED BY- FEDEX RECEIVED BY- SP SAMPLE MATRIX- WW

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3	09/13/00		PHM	130	mg/l
TOTAL PETROLEUM HYDROCARBONS	EPA 418.1	09/14/00		JAA	3.2	mg/l
NITROGEN, NITRATE	EPA 353.2	09/08/00		PHM	< 0.5	mg/l
SULFATE	375.4	09/12/00		SD	350	mg/l
CYANIDE	EPA 335.2	09/09/00		SA	< 0.01	mg/l

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NJDEP Certification No. 12013

Monitoring Well Water
Metals
Laboratory Results
September & November 2001

Monitoring Well Water
Metals
Laboratory Results
September & November 2001

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-5-1

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6073

Matrix (soil/water): WATER Lab Sample ID: N6073-04 S

Level (low/med): LOW Date Received: 09/29/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34100		E	P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	39.4			P
7440-39-3	Barium	474			P
7440-41-7	Beryllium	2.5	B		P
7440-43-9	Cadmium	0.60	U		P
7440-70-2	Calcium	248000		E	P
7440-47-3	Chromium	55.5		*	P
7440-48-4	Cobalt	30.9	B		P
7440-50-8	Copper	102		E	P
7439-89-6	Iron	77700			P
7439-92-1	Lead	52.6			P
7439-95-4	Magnesium	62900		E	P
7439-96-5	Manganese	17900		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	71.2			P
7440-09-7	Potassium	14300		E	P
7782-49-2	Selenium	2.2	B		P
7440-22-4	Silver	2.8	B		P
7440-23-5	Sodium	183000		E	P
7440-28-0	Thallium	57.7			P
7440-62-2	Vanadium	77.5			P
7440-66-6	Zinc	241			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-5-2

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6073

Matrix (soil/water): WATER Lab Sample ID: N6073-05 S

Level (low/med): LOW Date Received: 09/29/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	132000		E	P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	73.0			P
7440-39-3	Barium	929			P
7440-41-7	Beryllium	8.2			P
7440-43-9	Cadmium	0.60	U		P
7440-70-2	Calcium	313000		E	P
7440-47-3	Chromium	294		*	P
7440-48-4	Cobalt	87.4			P
7440-50-8	Copper	406		E	P
7439-89-6	Iron	283000			P
7439-92-1	Lead	155			P
7439-95-4	Magnesium	120000		E	P
7439-96-5	Manganese	23900		E	P
7439-97-6	Mercury	1.7			CV
7440-02-0	Nickel	274			P
7440-09-7	Potassium	29400		E	P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	11.6			P
7440-23-5	Sodium	136000		E	P
7440-28-0	Thallium	76.4			P
7440-62-2	Vanadium	327			P
7440-66-6	Zinc	1440			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-5-3

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6073

Matrix (soil/water): WATER Lab Sample ID: N6073-06 S

Level (low/med): LOW Date Received: 09/29/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7690		E	P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	13.4			P
7440-39-3	Barium	229			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	0.60	U		P
7440-70-2	Calcium	197000		E	P
7440-47-3	Chromium	17.4		*	P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	32.3		E	P
7439-89-6	Iron	48600			P
7439-92-1	Lead	14.9			P
7439-95-4	Magnesium	45400		E	P
7439-96-5	Manganese	19400		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.1	B		P
7440-09-7	Potassium	4320	B	E	P
7782-49-2	Selenium	8.8			P
7440-22-4	Silver	4.7	B		P
7440-23-5	Sodium	90900		E	P
7440-28-0	Thallium	47.7			P
7440-62-2	Vanadium	17.7	B		P
7440-66-6	Zinc	62.2			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE

INORGANIC ANALYSIS DATA SHEET

5-2DUPE

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6073

Matrix (soil/water): WATER Lab Sample ID: N6073-07 S

Level (low/med): LOW Date Received: 09/29/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	232000		E	P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	125			P
7440-39-3	Barium	1890			P
7440-41-7	Beryllium	14.2			P
7440-43-9	Cadmium	0.60	U		P
7440-70-2	Calcium	256000		E	P
7440-47-3	Chromium	741		*	P
7440-48-4	Cobalt	147			P
7440-50-8	Copper	870		E	P
7439-89-6	Iron	469000			P
7439-92-1	Lead	243			P
7439-95-4	Magnesium	111000		E	P
7439-96-5	Manganese	27700		E	P
7439-97-6	Mercury	1.7			CV
7440-02-0	Nickel	530			P
7440-09-7	Potassium	26000		E	P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	11.3			P
7440-23-5	Sodium	102000		E	P
7440-28-0	Thallium	66.7			P
7440-62-2	Vanadium	524			P
7440-66-6	Zinc	1560			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-5

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6045

Matrix (soil/water): WATER Lab Sample ID: N6045-05 S

Level (low/med): LOW Date Received: 09/28/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1140		N*E	P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	13.7			P
7440-39-3	Barium	166	B	NE	P
7440-41-7	Beryllium	6.1		E	P
7440-43-9	Cadmium	3.4	B		P
7440-70-2	Calcium	163000		*	P
7440-47-3	Chromium	5.9	B	N*	P
7440-48-4	Cobalt	9.6	B		P
7440-50-8	Copper	11.5	B	N*	P
7439-89-6	Iron	14100		*	P
7439-92-1	Lead	19.7		*	P
7439-95-4	Magnesium	36600		*	P
7439-96-5	Manganese	4400		*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.0	B		P
7440-09-7	Potassium	6380		E	P
7782-49-2	Selenium	16.7		*	P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	121000		*	P
7440-28-0	Thallium	4.3	U		P
7440-62-2	Vanadium	4.7	B		P
7440-66-6	Zinc	40.4		N*	P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DUPE#5

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6045

Matrix (soil/water): WATER Lab Sample ID: N6045-07 S

Level (low/med): LOW Date Received: 09/28/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17100		N*E	P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	21.5			P
7440-39-3	Barium	301		NE	P
7440-41-7	Beryllium	3.6	B	E	P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	167000		*	P
7440-47-3	Chromium	31.3		N*	P
7440-48-4	Cobalt	27.3	B		P
7440-50-8	Copper	60.1		N*	P
7439-89-6	Iron	47400		*	P
7439-92-1	Lead	41.7		*	P
7439-95-4	Magnesium	42300		*	P
7439-96-5	Manganese	5020		*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	43.4			P
7440-09-7	Potassium	10700		E	P
7782-49-2	Selenium	8.4		*	P
7440-22-4	Silver	3.0	B		P
7440-23-5	Sodium	120000		*	P
7440-28-0	Thallium	4.3	U		P
7440-62-2	Vanadium	39.9	B		P
7440-66-6	Zinc	129		N*	P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

HC-5B

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6809

Matrix (soil/water): WATER Lab Sample ID: N6809-01 S

Level (low/med): LOW Date Received: 11/19/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	81400			P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	81.4			P
7440-39-3	Barium	1170			P
7440-41-7	Beryllium	5.4			P
7440-43-9	Cadmium	0.60	U		P
7440-70-2	Calcium	204000			P
7440-47-3	Chromium	160			P
7440-48-4	Cobalt	99.6			P
7440-50-8	Copper	269			P
7439-89-6	Iron	201000			P
7439-92-1	Lead	129			P
7439-95-4	Magnesium	74200			P
7439-96-5	Manganese	5580			P
7439-97-6	Mercury	0.73		N*	CV
7440-02-0	Nickel	208			P
7440-09-7	Potassium	24300			P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	8.8	B		P
7440-23-5	Sodium	124000			P
7440-28-0	Thallium	10.2			P
7440-62-2	Vanadium	176			P
7440-66-6	Zinc	492			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO

INORGANIC ANALYSIS DATA SHEET

HC-5BF

Lab Name: CHEMTECH MOUNTAINSIDE Contract: 68-W00-088

Lab Code: CHEMED Case No.: SAS No.: SDG No.: N6809

Matrix (soil/water): WATER Lab Sample ID: N6809-02 S

Level (low/med): LOW Date Received: 11/19/01

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	82.2	B		P
7440-36-0	Antimony	8.9	U		P
7440-38-2	Arsenic	6.2	U		P
7440-39-3	Barium	141	B		P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.60	U		P
7440-70-2	Calcium	194000			P
7440-47-3	Chromium	8.5	B		P
7440-48-4	Cobalt	0.90	U		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	6950			P
7439-92-1	Lead	4.0			P
7439-95-4	Magnesium	45700			P
7439-96-5	Manganese	2430			P
7439-97-6	Mercury	0.20	U	N*	CV
7440-02-0	Nickel	1.6	U		P
7440-09-7	Potassium	6410			P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	1.7	U		P
7440-23-5	Sodium	141000			P
7440-28-0	Thallium	4.3	U		P
7440-62-2	Vanadium	1.2	U		P
7440-66-6	Zinc	26.6			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

APPENDIX 8

SOIL GAS SURVEY REPORT

Portable Gas Chromatograph
Analysis Report

Lot 6
Riverside Technology Park
Schenectady, New York

Prepared by:

Specialized Environmental Monitoring
184 Ballard Road
Wilton, New York 12831

Prepared for:

Holt Consulting
Rensselaer, New York

October 2001

1.0 METHODOLOGY

1.1 Soil Gas Sampling

Sampling locations are prepared by using a "slam bar" to drive a 5/8-inch solid steel rod to a maximum depth of four feet, removing it and inserting a 1/2- inch diameter hollow aluminum tube into the hole to maintain the opening in the shallow-vadose zone. Care is taken to ensure that the tube is not plugged or inserted into any high moisture-laden material or groundwater. Following placement of the aluminum tube, surface soil is packed into the annular space around the tube at the top of the probe hole to prevent potential infiltration of surface air during sampling.

Soil gas samples are collected with a 125-millimeter gas-sampling bulb. The sampling bulb consists of a wide glass tube with Teflon stopcock valves at either end and a septa in the center of the glass wall to allow for sample withdrawal. The top of the aluminum tube in the probe hole is connected with dedicated 1/2-inch polyethylene tubing to one of the valves of the gas-sampling bulb. The other bulb valve is connected with tubing to a portable vacuum pump (SKC model 224-43XR). The vacuum pump withdraws soil gas up through the subsurface probe and glass bulb at a flow rate of 3 liters per minute until approximately 6 liters is purged from each probe hole. Soil gas is contained in the glass bulb by closing the valve nearest the pump first, then stopping the pump. The other valve is left open to the soil gas source for approximately 10 seconds to allow the system to come to equilibrium pressure. Following this, the second valve is closed and the sample removed for analysis.

The dedicated polyethylene tubing is discarded and replaced for each new sampling location. All samples are analyzed within two hours of collection. A needle is inserted through the septa of the sampling bulb and a sample is withdrawn using a 500-microliter (UL) syringe for injection into the gas chromatograph (GC).

1.2 Analytical Methodology

A Photo Vac 10S70 gas chromatograph is set up on-site by SEM and equipped with a photoionization detector (PID) with an on-board computer, which is programmed to analyze samples for target volatile organic compounds.

The Photo Vac GC analyzes gaseous samples and is capable of generating quantitative data specific to each compound. After injection into the instrument, the gaseous sample passes through a chromatographic column prior to the PID. The various VOC's pass through this column at different rates and thus reach the detector at different times after the injection. A strip-chart record of detector response versus time is obtained during each analysis and peaks on this strip-chart record manifest the presence of VOC's in the sample.

The portable GC measures two parameters for each peak observed during an analysis. First, the length of time is measured between the initial injection of the sample and the detection of the peak. This time is known as the retention time and each VOC has a characteristic retention time relative to those of other compounds. For example, the retention time of toluene is greater than that for benzene. Retention times allow the identification of VOCs in the sample. Second, the portable GC integrates the VOCs in the detector response to measure the area under the peak. The area is measured in millivolt seconds (mv-s) and is proportional to the concentration of the compound in the sample.

Prior to the start of field activities, the instrument is calibrated to recognize retention times and convert peak areas into concentrations for the target VOCs. A standard is prepared by injecting a measured volume of headspace over a pure compound (i.e., toluene) into one liter glass bulb that is thoroughly flushed with organic free (ultra zero grade) air. The concentration of the standard is calculated by using the ambient temperature, the vapor pressure of the compound at that temperature, the noble gas law and other related equations.

Various VOC compounds can be pre-programmed into the portable GC library by sequentially analyzing each standard. A syringe is used to withdraw 250 microliters (UL) of the headspace gas and inject the vapor into the instrument for analysis. A peak is detected for the standard and recognized, but not identified or quantitated by the instrument; the peak is simply recognized as having a certain retention time and peak area. The analyst enters both the identity and concentration of the standard and repeats this process for each of the remaining target VOCs. At the end of the initial calibration, the portable GC can identify and quantitate the peaks associated with the target VOC.

Other peaks which are recognized during the analysis remain unidentified and a retention time and peak area are reported rather than a compound and concentration. The retention time and detector response is influenced by other conditions such as the internal temperature of the instrument and the rate of gas flow through the column. Although regulated, some variations in these conditions occur and act to shift the retention times and response factors of the target VOCs. Thus continuing calibrations are routinely performed.

The continuing calibration is performed by injecting a standard, such as toluene, into the portable GC for analysis. Using a keyboard command, the analyst instructs the instrument to recalibrate the library. After the peak is detected, the analyst enters both the identity and concentration. The retention times and response factors for all of the target VOCs in the library are then linearly adjusted relative to that calibration standard.

At a minimum, a continuing calibration is performed during fieldwork. However, since field conditions tend to change, i.e., temperature as the day progresses, the instrument may be recalibrated throughout the day. The analyst will monitor the retention time for the shifts (caused by the temperature fluctuations) in excess of approximately 5%. Retention time shifts of this magnitude or greater would result in the inability of the instrument to identify and quantitate peaks which were detected.

The PID is coupled to a 10.6 electron-volt ultraviolet lamp, which is capable of ionizing all of the VOC target analytes during the survey. However, the detector's sensitivity for these compounds may vary. Sample analyses are conducted by injecting with a syringe, 250 UL (microliter) aliquots of sample vapors into the GC; comparisons of sample instrument responses will be made to that of calibration standards previously into the GC memory. Documenting the analysis, the GC prepares a strip-chart record detailing the concentration of recognized compounds and the raw instrument response of "unknown" compounds detected in the sample. In the event that sample results are above the linear range of the instrument calibration, a smaller aliquot is injected and the sample results are corrected for the "dilution factor."

2.0 QUALITY ASSURANCE/QUALITY CONTROL

A "dry run" may be performed after any sample that shows very significant peaks or periodically throughout the day to monitor any residual column contamination. A dry run is performed by starting the GC like a normal injection but without the insertion of the syringe. Frequent calibrations of the instrument can also confirm potential carryover contamination on the 500 UL syringe used to inject most of the soil gas samples throughout the day. A blank sample of ultra zero grade air in the 125 ml glass sampling bulb can also be run to show any potential cross contamination from the syringe or sampling bulb or both.

Decontamination of the 5/8-inch steel rod is performed following the preparation of each sample location. The rod is rinsed with clean tap water and washed with liquinox detergent, and final rinsed with distilled water. Each aluminum tube will be cleaned prior to mobilization and is dedicated to only one soil sampling location; therefore, field decontamination is not required.

The polyethylene tubing which connects the aluminum probe to the glass-sampling bulb is dedicated and therefore discarded following each sample collection. In order to minimize potential carryover or cross contamination, repeated flushing with purified air through the glass sampling bulb and syringes is conducted between samples.

Method Detection Limits (MDL's) for BTEX (Benzene, Toluene, Ethylbenzene and Xylenes) and most other chlorinated compounds are in the range of 10- 15 ppb. Background concentrations on the syringe and the GC column are minimal and are factored into any reported values of results.

Table 1
Soil Gas Survey - Analytical Results [1]
Lot 6 - Riverside Technology Park
Schenectady, New York
October 3 & 4, 2001

Compound [2]	A-1	B-1	C-2	A-2	D-4	C-3	B-2	A-3	B-3	A-4	A-5	C-4	B-5	C-5
MTBE	ND	ND	300	ND	ND	ND	4826	ND	ND	ND	81	ND	ND	ND
Benzene	ND	ND	164	ND	ND	ND	4580	ND	ND	ND	281	ND	53	ND
Toluene	ND	ND	800	ND	ND	ND	10335	ND	ND	ND	2100	ND	1229	ND
Ethylbenzene	ND	ND	170	ND	ND	ND	>10000	ND	ND	ND	2426	ND	ND	ND
m-p xylene	ND	ND	52	ND	ND	ND	>10000	ND	ND	ND	ND	ND	1494	ND
o-xylene	ND	ND	ND	ND	ND	ND	>10000	ND	ND	ND	10150	ND	ND	ND
Other unknowns	ND	ND	ND	ND	YES	ND	YES	ND	ND	ND	ND	ND	YES	ND

Compound [2]	D-5	B-4	A-6 10/4/01	B-6	C-6	D-6	A-7	B-7	C-7	D-7	A-8	B-8	C-8	D-8
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	PNQ	ND	ND	Trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	98750	ND	ND	Trace	ND	ND	ND	ND	ND	ND	ND	124	ND
Ethylbenzene	ND	9180	ND	ND	Trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-p xylene	ND	>50000	ND	ND	Trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	ND	>50000	ND	ND	Trace	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other unknowns	ND	YES	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	YES	ND

[1] By portable gas chromatograph - PID
[2] = All Concentrations are reported in parts per billion (ppb). Only detected compounds are listed.
ND = Non-Detect, below the Method Detection Limit
Trace = Levels are at or just above the lowest MDL. PNQ = Present not Quantified

Table 2
Soil Gas Survey - Analytical Results [1]
Lot 6 - Riverside Technology Park
Schenectady, New York
October 4, 2001

Compound [2]	A-9	B-9	C-9	D-9	D-10	C-10	B-10	A-10	A-11	B-11	C-11	D-11
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-p xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other unknowns	ND	ND	ND	ND	ND	YES	YES	ND	ND	ND	ND	ND

Compound [2]	B-2.5	BC-2.5	BC-1.5	BC-4.5	BD-5.5	BC-3.5	AB-5.5	AB-3.5	AB-2.5
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1575	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	PNQ	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	PNQ	ND	ND	ND	ND	ND	ND	ND	ND
m-p xylene	8225	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	10955	ND	ND	ND	ND	ND	ND	ND	ND
Other unknowns	YES	ND	ND	ND	ND	ND	ND	ND	ND

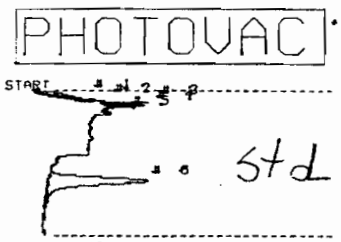
[1] By portable gas chromatograph - PID
[2] = All Concentrations are reported in parts per billion (ppb). Only detected compounds are listed. Note: C-10 & B-10 only show a methane or H2S peak
ND = Non-Detect, below the Method Detection Limit
Trace = Levels are at or just above the lowest MDL. PNQ = Present- not quantified.

RAW DATA SHEET

Date 10/3/01

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC



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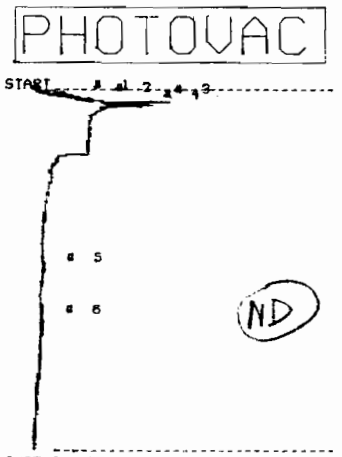
ANALYSIS # 6 LOT-6 RIVER-TECH
INTERNAL TEMP 25 ~~SYRINGE AIR BLK~~
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.3	223.7 mVS
UNKNOWN	3	20.8	368.7 mVS
UNKNOWN	4	25.8	203.4 mVS
UNKNOWN	6	145.2	4.2 VS

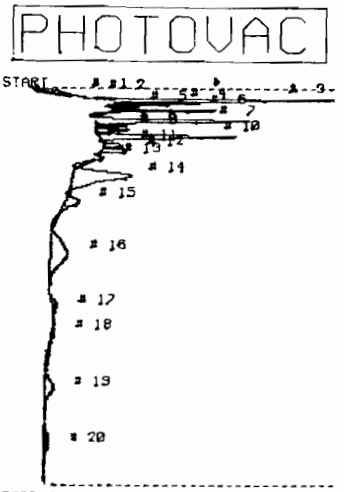
PHOTOVAC



STOP @ 559.2
~~SAMPLE~~ LIBRARY 2 OCT 3 2001 12:30
ANALYSIS # 7 LOT-6 RIVER-TECH
~~INTERNAL~~ TEMP 24 A-1
~~GAIN~~ 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.6	243.4 mVS
~~VINYL CHLORIDE~~	3	20.8	~~995.4 PPB~~
UNKNOWN	4	25.8	232.5 mVS
~~M-P XYLENE~~	8	362.2	~~81.69 PPB~~

PHOTOVAC



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SAMPLE LIBRARY 2 OCT 3 2001 12:54
ANALYSIS # 9 LOT-6 RIVER-TECH
INTERNAL TEMP 26 C-2
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.4	213.1 mVS
UNKNOWN	3	19.2	4.8 VS
UNKNOWN	4	25.8	657.0 mVS
UNKNOWN	5	31.5	146.4 mVS
MTBE	6	36.3	398.4 PPB
UNKNOWN	7	52.9	2.4 VS
BENZENE	8	61.3	163.3 PPB
UNKNOWN	9	67.7	552.0 mVS
UNKNOWN	10	77.7	2.5 VS
UNKNOWN	11	92.2	416.2 mVS
UNKNOWN	12	100.3	582.0 mVS
UNKNOWN	13	122.6	280.7 mVS
TOLUENE	14	141.2	1.985 PPM
UNKNOWN	15	182.7	244.4 mVS
UNKNOWN	16	263.4	1.3 VS
ETHYLBENZENE	17	347.5	169.9 PPB
UNKNOWN	18	426.3	689.3 mVS
UNKNOWN	20	562.8	383.1 mVS

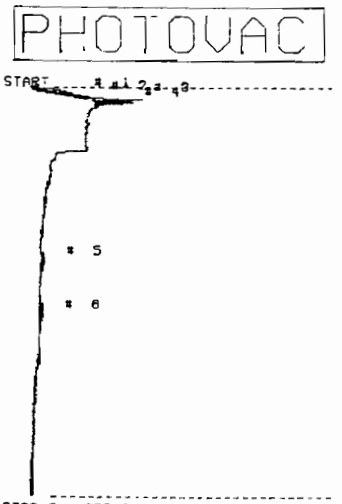
PHOTOVAC

CALIBRATED PEAK 6,TOLUENE

SAMPLE LIBRARY 2 OCT 3 2001 12:16
ANALYSIS # 6 LOT-6 RIVER-TECH
~~INTERNAL~~ TEMP 24 ~~SYRINGE AIR BLK~~
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.3	223.7 mVS
VINYL CHLORIDE	3	20.8	298.2 PPB
UNKNOWN	4	25.8	203.4 mVS
TOLUENE	6	145.2	1.800 PPM

PHOTOVAC



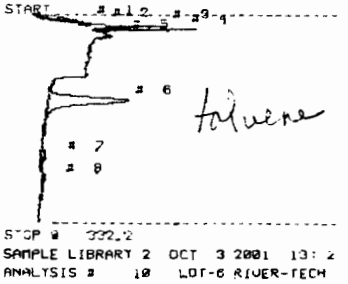
STOP @ 650.0
SAMPLE LIBRARY 2 OCT 3 2001 12:42
ANALYSIS # 8 LOT-6 RIVER-TECH
INTERNAL TEMP 25 8-1
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.6	240.4 mVS
VINYL CHLORIDE	3	20.8	~~999.7 PPB~~
UNKNOWN	4	25.8	163.8 mVS
M-P XYLENE	8	361.2	48.50 PPB

PHOTOVAC

2	COMPOUND	ID #	R.T.	LIMIT
PERC		1	213.1	0.000 PPB
TOLUENE		2	145.2	0.000 PPB
TCE		3	83.9	0.000 PPB
CIS-DCE		4	62.2	0.000 PPB
VINYL CHLORIDE		5	21.1	0.000 PPB
BENZENE		6	60.7	0.000 PPB
ETHYLBENZENE		7	335.4	0.000 PPB
M-P XYLENE		8	364.7	0.000 PPB
MTBE		9	34.7	0.000 PPB
O-XYLENE		10	433.1	0.000 PPB

PHOTOVAC



STOP @ 332.2
SAMPLE LIBRARY 2 OCT 3 2001 13:2
ANALYSIS # 10 LOT-6 RIVER-TECH
INTERNAL TEMP 27 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.5	245.4 mVS
VINYL CHLORIDE	3	20.6	514.8 PPB
UNKNOWN	4	25.8	229.8 mVS
TOLUENE	6	142.9	1.332 PPM
UNKNOWN	7	221.6	198.5 mVS
UNKNOWN	8	266.8	121.9 mVS

RAW DATA SHEET

Date 10/3/01 **Page** 2 **of** 15

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC

CALIBRATED PEAK 6, TOLUENE

SAMPLE LIBRARY 2 OCT 3 2001 13: 3
ANALYSIS # 10 LOT-6 RIVER-TECH
INTERNAL TEMP 26 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.5	245.4 mVS
VINYL CHLORIDE	3	20.8	517.5 PPB
UNKNOWN	4	25.8	229.6 mVS
TOLUENE	6	142.8	1.400 PPM
UNKNOWN	7	231.6	158.5 mVS
UNKNOWN	8	266.8	111.6 mVS

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	203.6	0.000 PPB
TOLUENE	2	142.8	0.000 PPB
TCE	3	82.5	0.000 PPB
CIS-DCE	4	61.2	0.000 PPB
VINYL CHLORIDE	5	20.8	0.000 PPB
BENZENE	6	58.7	0.000 PPB
ETHYLBENZENE	7	329.9	0.000 PPB
M-XYLENE	8	358.7	0.000 PPB
O-XYLENE	9	34.1	0.000 PPB
P-XYLENE	10	491.8	0.000 PPB

PHOTOVAC

START # 1 # 2 # 3 # 4

5

6

STOP @ 610.1
SAMPLE LIBRARY 2 OCT 3 2001 13:27
ANALYSIS # 12 LOT-6 RIVER-TECH
INTERNAL TEMP 27 A-2
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.4	263.3 mVS
VINYL CHLORIDE	3	20.6	220.2 PPB
UNKNOWN	4	25.7	223.2 mVS

PHOTOVAC

START # 1 # 2 # 3 # 4

5

6

STOP @ 615.6
SAMPLE LIBRARY 2 OCT 3 2001 13:55
ANALYSIS # 14 LOT-6 RIVER-TECH
INTERNAL TEMP 27 C-3
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	12.0	267.2 mVS
VINYL CHLORIDE	3	20.8	~~285.8 PPB~~
UNKNOWN	4	25.4	422.0 mVS
UNKNOWN	5	284.2	225.1 mVS

PHOTOVAC

START # 1 # 2 # 3 # 4 # 5 # 6 # 7 # 8 # 9 # 10 # 11 # 12 # 13 # 14 # 15 # 16 # 17 # 18

STOP @ 442.5
SAMPLE LIBRARY 2 OCT 3 2001 13:13
ANALYSIS # 11 LOT-6 RIVER-TECH
INTERNAL TEMP 27 C-2 RE-RUN
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.6	246.8 mVS
UNKNOWN	2	16.3	101.8 mVS
UNKNOWN	3	18.7	3.8 VS
UNKNOWN	4	25.6	202.4 mVS
BENZENE	6	58.8	209.0 PPB
UNKNOWN	7	62.5	1.3 VS
CIS-DCE	8	68.9	49.41 PPB
UNKNOWN	9	82.3	138.5 mVS
UNKNOWN	10	92.1	1.2 VS
UNKNOWN	12	100.8	193.4 mVS
TOLUENE	14	140.8	233.4 PPB
UNKNOWN	15	160.2	420.1 mVS
UNKNOWN	16	262.5	1.1 VS
P-XYLENE	17	2.1	51.34 PPB

PHOTOVAC

START # 1 # 2 # 3 # 4

5

6

7

STOP @ 650.0
SAMPLE LIBRARY 2 OCT 3 2001 13:41
ANALYSIS # 13 LOT-6 RIVER-TECH
INTERNAL TEMP 27 D-4
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.2	223.2 mVS
VINYL CHLORIDE	3	20.4	~~257.4 PPB~~
UNKNOWN	4	25.5	228.4 mVS
UNKNOWN	5	283	58.2 mVS

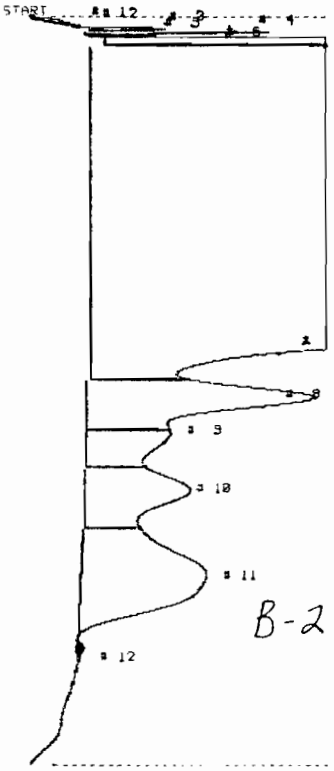
Spe ing

RAW DATA SHEET

Date 10/3/01

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

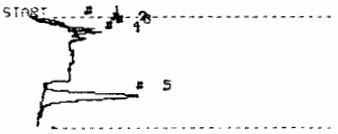
PHOTOVAC



STOP @ 1169.0
SAMPLE LIBRARY 2 OCT 3 2001 14:18
ANALYSIS # 15 LOT-6 RIVER-TECH
INTERNAL TEMP 27 B-2
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.5	238.3 mVS
VINYL CHLORIDE	2	20.2	~~782.8 PPB~~
UNKNOWN	4	25.2	2.0 VS
UNKNOWN	5	30.3	543.7 mVS
UNKNOWN	6	38.7	24.6 VS
UNKNOWN	7	288.2	248.4 VS
UNKNOWN	8	603.5	32.5 VS
UNKNOWN	9	665.5	14.8 VS
UNKNOWN	10	956.7	21.3 VS
UNKNOWN	11	1039.4	46.2 VS

PHOTOVAC



STOP @ 122.6
SAMPLE LIBRARY 2 OCT 3 2001 14:25
ANALYSIS # 18 LOT-6 RIVER-TECH
INTERNAL TEMP 32 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.2	166.3 mVS
VINYL CHLORIDE	2	20.3	191.8 PPB
UNKNOWN	3	25.1	145.5 mVS
UNKNOWN	5	128.0	3.6 VS

PHOTOVAC

CALIBRATED PEAK 5,TOLUENE

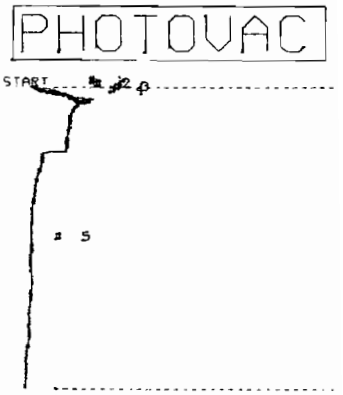
SAMPLE LIBRARY 2 OCT 3 2001 14:26
ANALYSIS # 18 LOT-6 RIVER-TECH
INTERNAL TEMP 31 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.2	166.3 mVS
UNKNOWN	2	20.3	192.1 mVS
UNKNOWN	3	25.1	145.5 mVS
TOLUENE	5	128.0	1.400 PPM

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	107.9	0.000 PPB
TOLUENE	2	128.0	0.000 PPB
TCE	3	73.9	0.000 PPB
CIS-DCE	4	54.3	0.000 PPB
VINYL CHLORIDE	5	18.6	0.000 PPB
BENZENE	6	53.5	0.000 PPB
ETHYLBENZENE	7	295.7	0.000 PPB
M-P XYLENE	8	321.5	0.000 PPB
MTBE	9	30.6	0.000 PPB
O-XYLENE	10	307.0	0.000 PPB

PHOTOVAC



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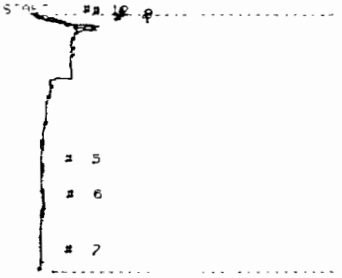
ANALYSIS # 19 LOT-6 RIVER-TECH
INTERNAL TEMP 30 A-3
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.3	193.2 mVS
UNKNOWN	2	20.3	136.5 mVS

PHOTOVAC



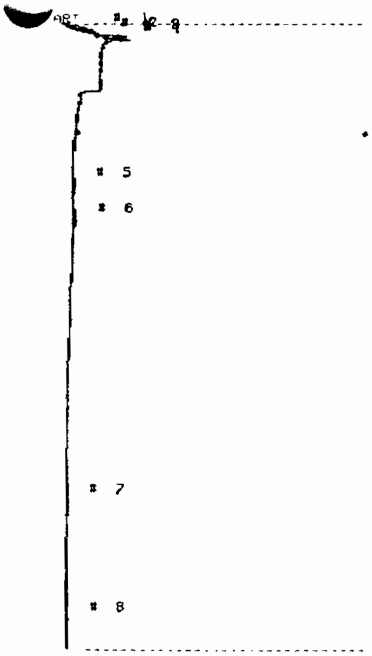
STOP @ 428.1
SAMPLE LIBRARY 2 OCT 3 2001 14:45
ANALYSIS # 20 LOT-6 RIVER-TECH
INTERNAL TEMP 30 B-3
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.2	224.1 mVS
UNKNOWN	2	20.3	74.8 mVS
UNKNOWN	4	25.0	2.3 VS

RAW DATA SHEET

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

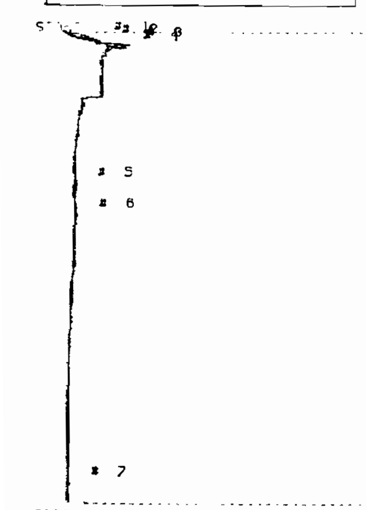
PHOTOVAC



STOP @ 368.1
SAMPLE LIBRARY 2 OCT 3 2001 15:3
ANALYSIS # 21 LOT-6 RIVER-TECH
INTERNAL TEMP 25 A-4
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.2	139.1 mVS
UNKNOWN	3	20.2	198.5 mVS
UNKNOWN	4	25.0	126.7 mVS

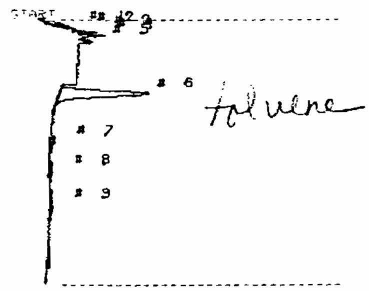
PHOTOVAC



STOP @ 242.2
SAMPLE LIBRARY 2 OCT 3 2001 15:16
ANALYSIS # 22 LOT-6 RIVER-TECH
INTERNAL TEMP 25 B-3
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	11.2	140.7 mVS
UNKNOWN	3	20.1	128.2 mVS
UNKNOWN	4	24.3	101.4 mVS

PHOTOVAC



STOP @ 411.5
SAMPLE LIBRARY 2 OCT 3 2001 15:26
ANALYSIS # 23 LOT-6 RIVER-TECH
INTERNAL TEMP 30 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	12.0	195.0 mVS
UNKNOWN	3	20.3	129.5 mVS
UNKNOWN	[illegible]	25.0	12.[illegible] mVS
UNKNOWN	6	117.7	3.1 VS
PERC	7	193.2	11.39 PPB
ETHYLBENZENE	9	271.5	56.04 PPB

PHOTOVAC

CALIBRATED PEAK 6, TOLUENE

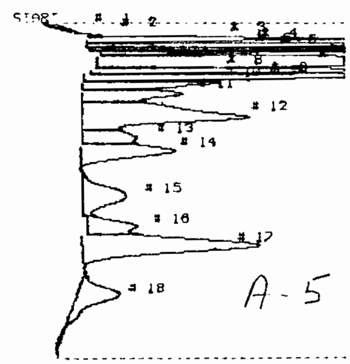
SAMPLE LIBRARY 2 OCT 3 2001 15:22
ANALYSIS # 23 LOT-6 RIVER-TECH
INTERNAL TEMP 30 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	[illegible] mVS
UNKNOWN	3	20.2	129.1 mVS
UNKNOWN	4	25.3	112 mVS
TOLUENE	6	117.7	1.420 PPM
UNKNOWN	7	193.2	126.9 mVS
[illegible] XYLENE	9	271.5	30.05 PPB

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	172.8	0.000 PPB
TOLUENE	2	117.7	0.000 PPB
TCE	3	68.0	0.000 PPB
CIS-DCE	4	50.5	0.000 PPB
VINYL CHLORIDE	5	17.1	0.000 PPB
BENZENE	6	43.2	0.000 PPB
ETHYLBENZENE	7	271.3	0.000 PPB
M-P XYLENE	8	295.6	0.000 PPB
MTBE	9	28.1	0.000 PPB
O-XYLENE	10	355.9	0.000 PPB

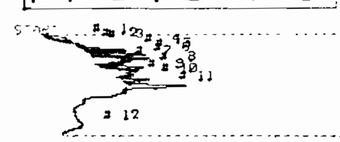
PHOTOVAC



STOP @ 521.4
SAMPLE LIBRARY 2 OCT 3 2001 15:39
ANALYSIS # 24 LOT-6 RIVER-TECH
INTERNAL TEMP 30 A-5
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	169.5 mVS
UNKNOWN	2	20.1	287.2 mVS
UNKNOWN	3	26.2	4.5 VS
UNKNOWN	4	33.1	2.2 VS
UNKNOWN	5	41.2	1.2 VS
UNKNOWN	6	46.2	2.2 VS
UNKNOWN	7	5[illegible].2	28.5 VS
UNKNOWN	8	74.3	2.5 VS
UNKNOWN	9	[illegible]	12.0 VS
UNKNOWN	10	[illegible]	4.[illegible] VS
TOLUENE	11	[illegible]	2.104 PPM
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	13	180.[illegible]	3.2 VS
UNKNOWN	14	27[illegible]	[illegible] VS
ETHYLBENZENE	[illegible]	27[illegible]	2.426 PPM
UNKNOWN	16	225.[illegible]	[illegible]
O-XYLENE	[illegible]	[illegible]	10.15 PPM
UNKNOWN	[illegible]	[illegible]	[illegible]

PHOTOVAC



STOP @ 161.[illegible]
SAMPLE LIBRARY 2 OCT 3 2001 15:45
ANALYSIS # 25 LOT-6 RIVER-TECH
INTERNAL TEMP 32 A-5
GAIN 20 1-5 DILUTION

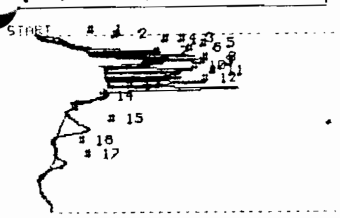
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible].2	[illegible] mVS
UNKNOWN	4	[illegible]	[illegible] mVS
UNKNOWN	[illegible]	[illegible]	[illegible]4.3 mVS
UNKNOWN	[illegible]	[illegible]	[illegible].2 mVS
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	8	[illegible]	[illegible]
UNKNOWN	[illegible]	96.5	274.[illegible] mVS

Spec ... ing

RAW DATA SHEET

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

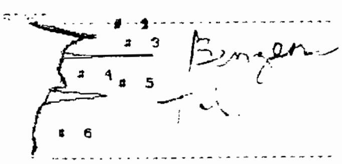
PHOTOVAC



STOP @ 274.6
SAMPLE_LIBRARY 2 OCT 3 2001 15:50
ANALYSIS # 26 LOT-6 RIVER-TECH
INTERNAL TEMP 31 A-5
GAIN 20 1-2 DILUTION

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	11.8	228.1 mUS
UNKNOWN	3	26.5	655.4 mUS
MTBE	4	[illegible]	186.7 PPB
UNKNOWN	5	34.2	224.3 mUS
UNKNOWN	[illegible]	[illegible]	399.4 mUS
BENZENE	7	46.3	65.33 PPB
UNKNOWN	8	56.3	1.5 US
UNKNOWN	9	62.5	1.3 US
TCE	10	69.1	325.2 PPB
UNKNOWN	11	75.3	1.3 US
UNKNOWN	12	86.5	2.5 US
TOLUENE	14	112.7	62.50 PPB
UNKNOWN	15	142.0	[illegible] US
UNKNOWN	[illegible]	[illegible]	[illegible] mUS

PHOTOVAC



STOP @ 2 3.
SAMPLE LIBRARY 2 OCT 3 2001 15:58
ANALYSIS # 27 LOT-6 RIVER-TECH
INTERNAL TEMP 32 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	23.3	[illegible] mUS
UNKNOWN	2	34.1	[illegible] mUS
UNKNOWN	4	101.3	[illegible]
TOLUENE	[illegible]	[illegible]	885.2 PPB

PHOTOVAC

CALIBRATED PEAK 5, TOLUENE

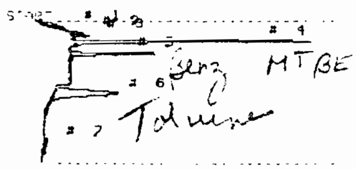
SAMPLE LIBRARY 2 OCT 3 2001 15:57
ANALYSIS # 27 LOT-6 RIVER-TECH
INTERNAL TEMP 30 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	23.[illegible]	[illegible] mUS
UNKNOWN	3	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible] mUS
TOLUENE	5	[illegible]	1.000 PPM

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	171.5	0.000 PPB
TOLUENE	2	116.8	0.000 PPB
TCE	3	67.5	0.000 PPB
CIS-DCE	4	50.1	0.000 PPB
VINYL CHLORIDE	5	17.0	0.000 PPB
BENZENE	6	54.1	0.000 PPB
ETHYLBENZENE	7	269.8	0.000 PPB
M-P XYLENE	8	293.7	0.000 PPB
MTBE	9	27.9	0.000 PPB
O-XYLENE	10	357.2	0.000 PPB

PHOTOVAC



STOP @ 221.
SAMPLE LIBRARY 2 OCT 3 2001 16: 4
ANALYSIS # 28 LOT-6 RIVER-TECH
INTERNAL TEMP 31 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	2 142.3 mUS
UNKNOWN	3	24.2	2.3 US
BENZENE	5	53.3	462.4 PPB
TOLUENE	6	[illegible]	1.104 PPM

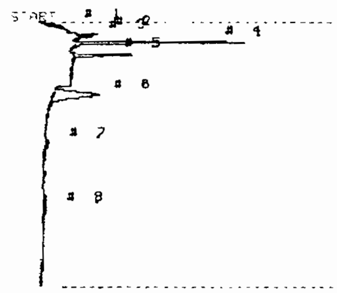
PHOTOVAC

CALIBRATED PEAK 6, TOLUENE

SAMPLE LIBRARY 2 OCT 3 2001 16: 8
ANALYSIS # 28 LOT-6 RIVER-TECH
INTERNAL TEMP 30 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	[illegible] mUS
UNKNOWN	4	[illegible]	[illegible]
BENZENE	[illegible]	[illegible]	376.5 PPB
TOLUENE	[illegible]	[illegible]	300.0 PPB

PHOTOVAC



STOP @ 413.2
SAMPLE LIBRARY 2 OCT 3 2001 16:22
ANALYSIS # 31 LOT-6 RIVER-TECH
INTERNAL TEMP 31 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.8	152.5 mUS
MTBE	4	34.3	696.1 PPB
BENZENE	5	[illegible]	265.3 PPB
TOLUENE	6	[illegible]	623.9 PPB

PHOTOVAC

CALIBRATED PEAK 6, TOLUENE

SAMPLE LIBRARY 2 OCT 3 2001 16:23
ANALISIS # 31 LOT-6 RIVER-TECH
INTERNAL TEMP 31 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	[illegible]	[illegible]
MTBE	4	[illegible]	663.3 PPB
BENZENE	[illegible]	[illegible]	255.3 PPB
TOLUENE	6	[illegible]	600.0 PPB

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	172.3	0.000 PPB
TOLUENE	2	117.4	0.000 PPB
TCE	3	67.3	0.000 PPB
CIS-DCE	4	50.3	0.000 PPB
VINYL CHLORIDE	5	17.0	0.000 PPB
BENZENE	6	54.3	0.000 PPB
ETHYLBENZENE	7	271.2	0.000 PPB
M-P XYLENE	8	294.3	0.000 PPB
MTBE	9	34.3	0.000 PPB
O-XYLENE	10	355.0	0.000 PPB

RAW DATA SHEET

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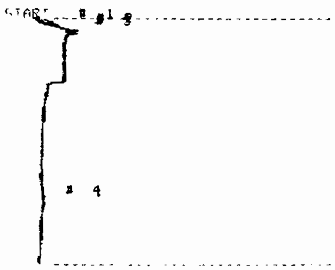
Project: Lot 6
Riverside Tech. Park
Schenectady, NY

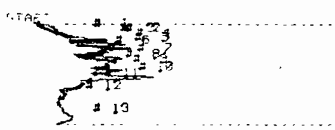
PHOTOVAC



SAMPLE LIBRARY 2 OCT 3 2001 16:31
ANALYSIS # 32 LOT-6 RIVER-TECH
INTERNAL TEMP 30 C-4
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	[illegible]	[illegible]

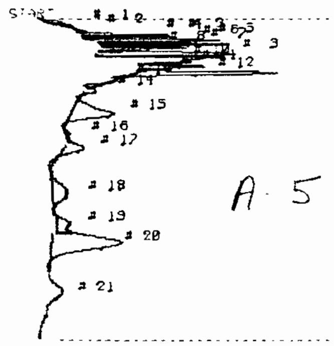
PHOTOVAC



STOP @ [illegible]
SAMPLE LIBRARY 2 OCT 3 2001 16:36
ANALYSIS # 33 LOT-6 RIVER-TECH
INTERNAL TEMP 33 A-5
GAIN 20 1-2 DILUTION

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	20.4	[illegible]
UNKNOWN	2	25	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
MTBE	4	[illegible]	80.72 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
BENZENE	7	[illegible]	140.5 PPB
UNKNOWN	9	75.9	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
TOLUENE	12	[illegible]	48.44 PPB

PHOTOVAC

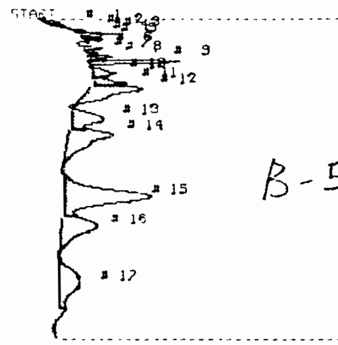


A-5

STOP @ 500.0
SAMPLE LIBRARY 2 OCT 3 2001 16:46
ANALYSIS # 34 LOT-6 RIVER-TECH
INTERNAL TEMP 30 A-5
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	[illegible]
UNKNOWN	2	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
MTBE	5	34.4	433.6 PPB
UNKNOWN	[illegible]	36.5	[illegible]
UNKNOWN	7	41.7	[illegible]
UNKNOWN	8	42.1	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	75.9	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	92.3	[illegible]
TOLUENE	14	[illegible]	140.7 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	600.2 PPB
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	3.384 PPM

PHOTOVAC

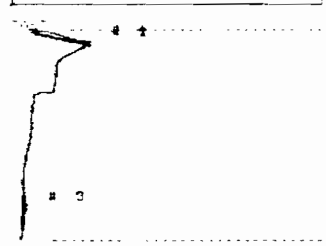


B-5

STOP @ 500.3
SAMPLE LIBRARY 2 OCT 3 2001 16:57
ANALYSIS # 35 LOT-6 RIVER-TECH
INTERNAL TEMP 29 B-5
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	[illegible]
UNKNOWN	2	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	38.86 PPB
BENZENE	[illegible]	[illegible]	52.53 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
TCE	[illegible]	[illegible]	317.6 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
TOLUENE	[illegible]	[illegible]	1.229 PPM
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1.494 PPM
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]

PHOTOVAC



STOP @ [illegible]
SAMPLE LIBRARY 2 OCT 3 2001 17:08
ANALYSIS # 36 LOT-6 RIVER-TECH
INTERNAL TEMP 30 C-5
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	24.11 PPB

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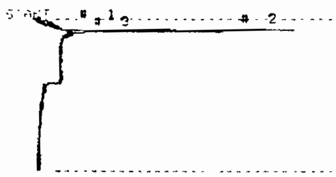
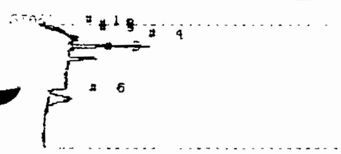
PHOTOVAC



STOP @ 236.2
SAMPLE LIBRARY 2 OCT 3 2001 17:13
ANALYSIS # 37 LOT-6 RIVER-TECH
INTERNAL TEMP 31 D-5
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	12.4	162.7 mVS
UNKNOWN	2	13.[illegible]	[illegible]

PHOTOVAC



STOP @ [illegible]
SAMPLE LIBRARY 2 OCT 3 2001 17:17
ANALYSIS # 38 LOT-6 RIVER-TECH
INTERNAL TEMP 32 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	12.7	133.8 mVS
[illegible]	[illegible]	[illegible]	288.4 PPB
[illegible]	[illegible]	[illegible]	110.4 PPB
[illegible]	[illegible]	[illegible]	280.0 PPB

PHOTOVAC

CALIBRATED PEAK 6,TOLUENE

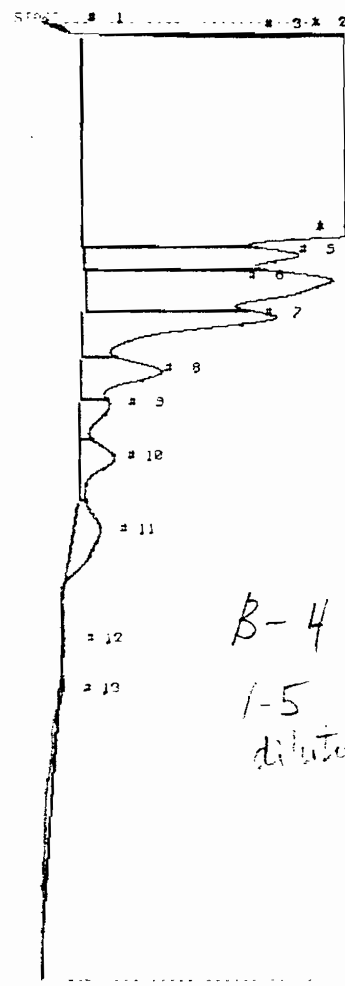
SAMPLE LIBRARY 2 OCT 3 2001 17:18
ANALYSIS # 38 LOT-6 RIVER-TECH
INTERNAL TEMP 3[illegible] STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	206.0 PPB
[illegible]	[illegible]	[illegible]	78.83 PPB
[illegible]	[illegible]	[illegible]	200.0 PPB

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	173.6	0.000 PPB
TOLUENE	2	118.9	0.000 PPB
TCE	3	68.4	0.000 PPB
CIS-DCE	4	50.7	0.000 PPB
VINYL CHLORIDE	5	17.1	0.000 PPB
BENZENE	6	54.7	0.000 PPB
ETHYLBENZENE	7	273.9	0.000 PPB
M-P XYLENE	8	297.2	0.000 PPB
MTBE	9	34.6	0.000 PPB
O-XYLENE	10	357.7	0.000 PPB

PHOTOVAC



B-4
1-5
dilution

STOP @ 1[illegible]
SAMPLE LIBRARY 2 OCT 3 2001 17:45
ANALYSIS # 39 LOT-6 RIVER-TECH
INTERNAL TEMP 26 B-4
GAIN 20 1-5 DILUTION

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	2	[illegible]	[illegible]
UNKNOWN	3	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	334.2	10.08 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]

RAW DATA SHEET

Date 10/4/01

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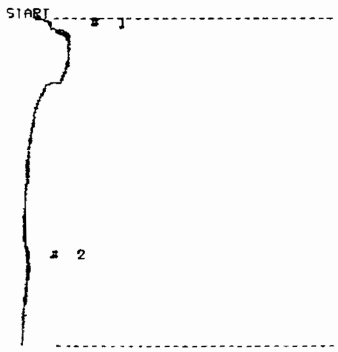
Riverside Tech. Park
Schenectady, NY

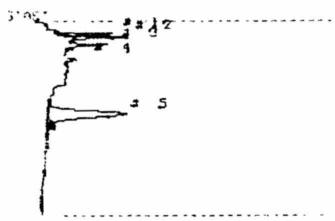
PHOTOVAC



STOP @ 511.0
SAMPLE LIBRARY 2 OCT 4 2001 10:1
ANALYSIS # 1 LOT-6 RIVER-TECH
INTERNAL TEMP 20 DRY RUN
GAIN 20 ~~250 MICROLITERS~~

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 208.1
SAMPLE LIBRARY 2 OCT 4 2001 10:17
ANALYSIS # 2 LOT-6 RIVER-TECH
INTERNAL TEMP 23 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	21.6	006.2 mVS
UNKNOWN	2	26.9	079.4 mVS
UNKNOWN	3	38.9	029.8 mVS
UNKNOWN	4	61.5	106.3 mVS
UNKNOWN	5	[illegible]	[illegible]

PHOTOVAC

CALIBRATED PEAK 5,TOLUENE

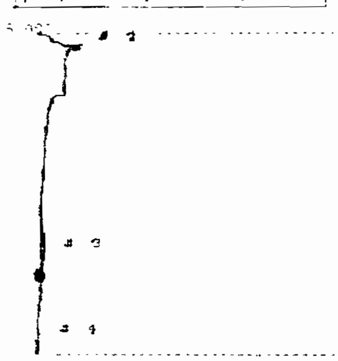
SAMPLE LIBRARY 2 OCT 4 2001 10:18
ANALYSIS # 2 LOT-6 RIVER-TECH
INTERNAL TEMP 23 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
VINYL CHLORIDE	1	21.6	262.4 PPB
UNKNOWN	2	26.9	178.4 mVS
UNKNOWN	3	38.9	029.8 mVS
CIS-DCE	4	61.5	18.59 PPB
TOLUENE	5	143.2	1.300 PPM

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	218.9	0.000 PPB
TOLUENE	2	143.2	0.000 PPB
TCE	3	86.9	0.000 PPB
CIS-DCE	4	63.9	0.000 PPB
VINYL CHLORIDE	5	21.6	0.000 PPB
BENZENE	6	69.0	0.000 PPB
ETHYLBENZENE	7	344.7	0.000 PPB
M-P XYLENE	8	374.8	0.000 PPB
MTBE	9	43.6	0.000 PPB
O-XYLENE	10	451.1	0.000 PPB

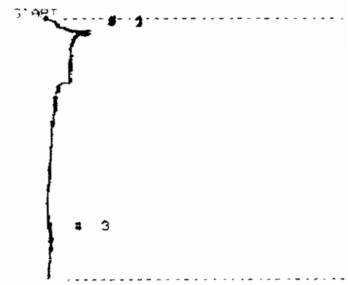
PHOTOVAC



STOP @ 412.8
SAMPLE LIBRARY 2 OCT 4 2001 10:29
ANALYSIS # 3 LOT-6 RIVER-TECH
INTERNAL TEMP 23 A-6
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
ETHYLBENZENE			125.3 PPB

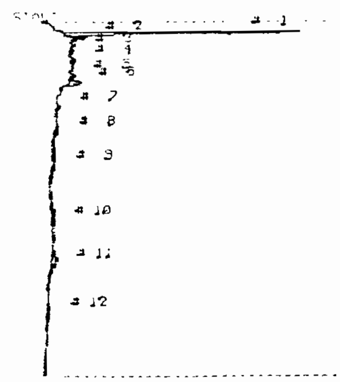
PHOTOVAC



STOP @ 435.2
SAMPLE LIBRARY 2 OCT 4 2001 10:32
ANALYSIS # 4 LOT-6 RIVER-TECH
INTERNAL TEMP 23 B-6
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
VINYL CHLORIDE	1	21	82.59 PPB

PHOTOVAC



STOP @ 563.3
SAMPLE LIBRARY 2 OCT 4 2001 10:49
ANALISIS # 5 LOT-6 RIVER-TECH
INTERNAL TEMP 24 C-6
GAIN 20 250 MICROLITERS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	[illegible] mVS
UNKNOWN	2	[illegible]	[illegible] mVS
UNKNOWN	3	[illegible]	[illegible] mVS
[illegible]			66.26 PPB

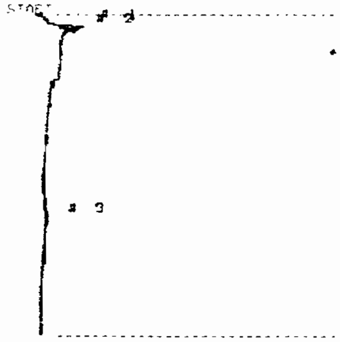
Speci... g

RAW DATA SHEET

Date

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC

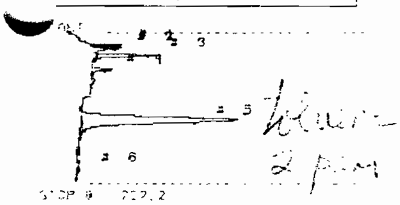


STOP @ 429.3
SAMPLE LIBRARY 2 OCT 4 2001 10:55
ANALYSIS # 6 LOT-6 RIVER-TECH
INTERNAL TEMP 25 D-6
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA PPM

VINYL CHLORIDE 1 22.3 157.4 PPB

PHOTOVAC



STOP @ 727.2
SAMPLE LIBRARY 2 OCT 4 2001 11: 5
ANALYSIS # 7 LOT-6 RIVER-TECH
INTERNAL TEMP 26 STANDARD
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA PPM

VINYL CHLORIDE 1 [illegible] 186.7 PPB
UNKNOWN 2 [illegible]
UNKNOWN 3 [illegible]
UNKNOWN 4 [illegible]
UNKNOWN 5 [illegible]

PHOTOVAC

CALIBRATED PEAK 5,TOLUENE

SAMPLE LIBRARY 2 OCT 4 2001 11: 6
ANALYSIS # 7 LOT-6 RIVER-TECH
INTERNAL TEMP 25 STANDARD
GAIN 20 250 MICROLITERS

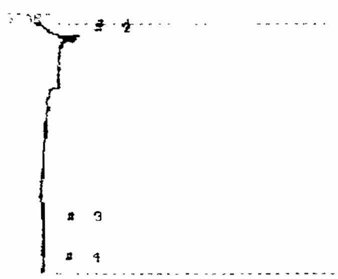
COMPOUND NAME PEAK R.T. AREA PPM

UNKNOWN 1 [illegible]
UNKNOWN 2 [illegible]
UNKNOWN 3 [illegible]
[illegible] 4 [illegible] 33.71 PPB
[illegible] 5 2.000 PPM

PHOTOVAC

2 COMPOUND	ID #	R.T.	LIMIT
PERC	1	207.2	0.000 PPB
TOLUENE	2	141.2	0.000 PPB
TCE	3	81.7	0.000 PPB
CIS-DCE	4	60.5	0.000 PPB
VINYL CHLORIDE	5	20.1	0.000 PPB
BENZENE	6	65.3	0.000 PPB
ETHYLBENZENE	7	328.2	0.000 PPB
M-P XYLENE	8	354.7	0.000 PPB
MTBE	9	41.3	0.000 PPB
O-XYLENE	10	426.9	0.000 PPB

PHOTOVAC

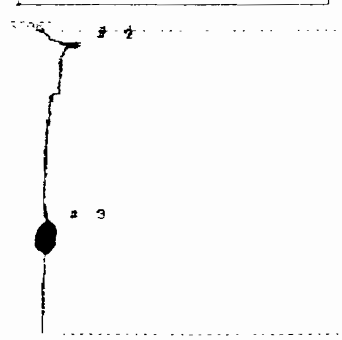


STOP @ 393.3
SAMPLE LIBRARY 2 OCT 4 2001 11:14
ANALYSIS # 8 LOT-6 RIVER-TECH
INTERNAL TEMP 26 A-7
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA PPM

VINYL CHLORIDE 1 [illegible] ~~93.41 PPB~~

PHOTOVAC

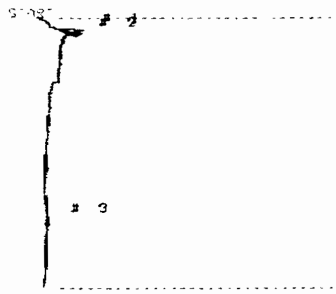


STOP @ 431.2
SAMPLE LIBRARY 2 OCT 4 2001 11:23
ANALYSIS # 9 LOT-6 RIVER-TECH
INTERNAL TEMP 26 B-7
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA PPM

[illegible] ~~[illegible] PPB~~

PHOTOVAC

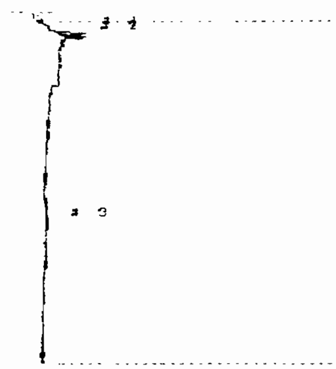


STOP @ 421.7
SAMPLE LIBRARY 2 OCT 4 2001 11:31
ANALYSIS # 10 LOT-6 RIVER-TECH
INTERNAL TEMP 27 C-7
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA PPM

VINYL CHLORIDE 1 [illegible] ~~120.9 PPB~~

PHOTOVAC



STOP @ 342.7
SAMPLE LIBRARY 2 OCT 4 2001 11:42
ANALYSIS # 11 LOT-6 RIVER-TECH
INTERNAL TEMP 26 D-7
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA PPM

VINYL CHLORIDE 1 [illegible] ~~124.4 PPB~~
UNKNOWN [illegible]

Specia g

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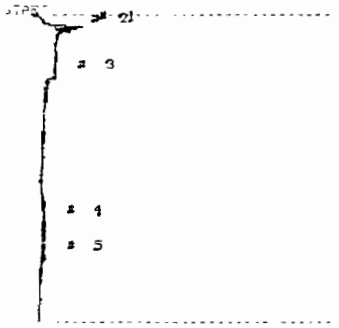
Date 10/4/01

Project: Lot 6
Riverside Tech. Park
Schenectady, NY

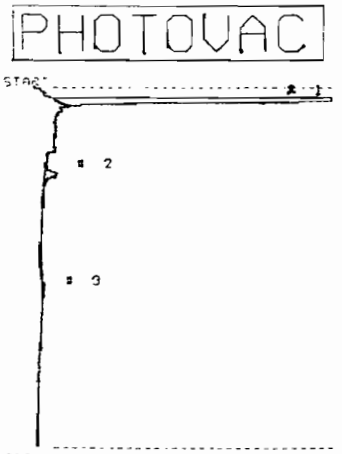
PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 11:32
ANALYSIS # 12 LOT-6 RIVER-TECH
INTERNAL TEMP 26 A-8
GAIN 20 250 MICROLITERS

~~153.6 PPB~~
~~42.78 PPB~~

PHOTOVAC



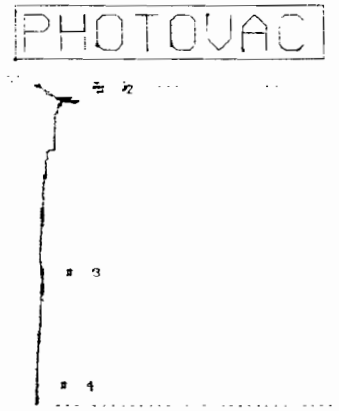
SAMPLE LIBRARY 2 OCT 4 2001 12:13
ANALYSIS # 14 LOT-6 RIVER-TECH
INTERNAL TEMP 27 C-8
GAIN 20 250 MICROLITERS

~~18.43 PPB~~
124.2 PPB

PHOTOVAC

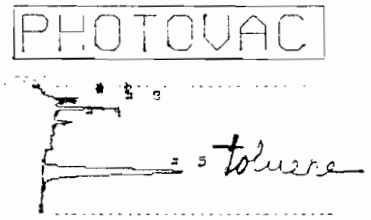
2 COMPOUND	ID #	R.I.	LIMIT
PERC	1	203.7	0.000 PPB
TOLUENE	2	138.8	0.000 PPB
TCE	3	80.3	0.000 PPB
CIS-DCE	4	59.5	0.000 PPB
VINYL CHLORIDE	5	20.1	0.000 PPB
BENZENE	6	64.2	0.000 PPB
ETHYLBENZENE	7	320.7	0.000 PPB
M-P XYLENE	8	348.7	0.000 PPB
MTBE	9	40.6	0.000 PPB
O-XYLENE	10	419.6	0.000 PPB

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 12:_2
ANALYSIS # 13 LOT-6 RIVER-TECH
INTERNAL TEMP 27 B-8
GAIN 20 250 MICROLITERS

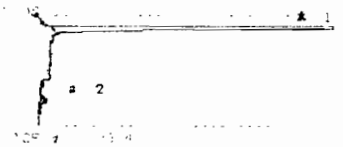
PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 12:18
ANALYSIS # 15 LOT-6 RIVER-TECH
INTERNAL TEMP 25 STANDARD
GAIN 20 250 MICROLITERS

122.5 PPB
28.54 PPB
1.721 PPM

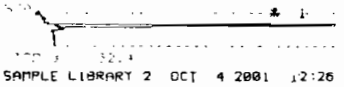
PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 12:24
ANALISIS # 16 LOT-6 RIVER-TECH
INTERNAL TEMP 30 C-8
GAIN 20 1-2 DILUTION

~~8,154 PPB~~
54.54 PPB

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 12:26
ANALYSIS # 17 LOT-6 RIVER-TECH
INTERNAL TEMP 29 C-8
GAIN 20 1-5 DILUTION

PHOTOVAC

CALIBRATED PEAK 5,TOLUENE

SAMPLE LIBRARY 2 OCT 4 2001 12:13
ANALYSIS # 15 LOT-6 RIVER-TECH
INTERNAL TEMP 28 STANDARD
GAIN 20 250 MICROLITERS

23.01 PPB
1.750 PPM

Specia

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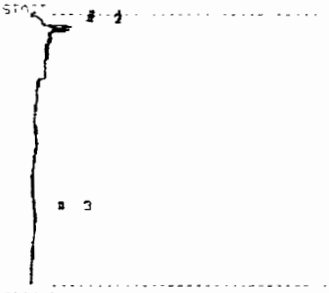
Date 10/4/01

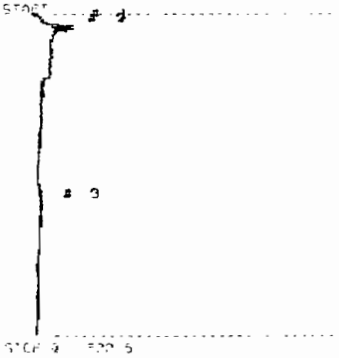
Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC



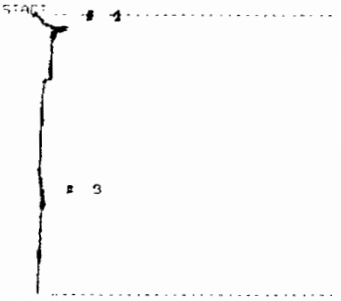
SAMPLE LIBRARY 2 OCT 4 2001 12:34
ANALYSIS # 18 LOT-6 RIVER-TECH
INTERNAL TEMP 29 O-8
GAIN 20 250 MICROLITERS

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 12:51
ANALYSIS # 20 LOT-6 RIVER-TECH
INTERNAL TEMP 29 B-9
GAIN 20 250 MICROLITERS

PHOTOVAC

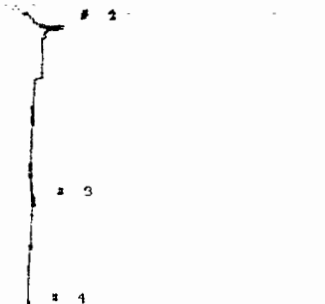


SAMPLE LIBRARY 2 OCT 4 2001 13:10
ANALYSIS # 22 LOT-6 RIVER-TECH
INTERNAL TEMP 29 O-9
GAIN 20 250 MICROLITERS

PHOTOVAC

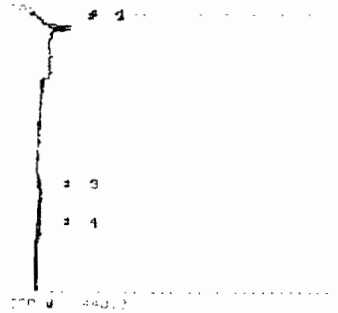
SAMPLE LIBRARY 2 OCT 4 2001 12:42
ANALYSIS # 19 LOT-6 RIVER-TECH
INTERNAL TEMP 29 A-9
GAIN 20 250 MICROLITERS

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 13:
ANALYSIS # 21 LOT-6 RIVER-TECH
INTERNAL TEMP 28 C-9
GAIN 20 250 MICROLITERS

PHOTOVAC



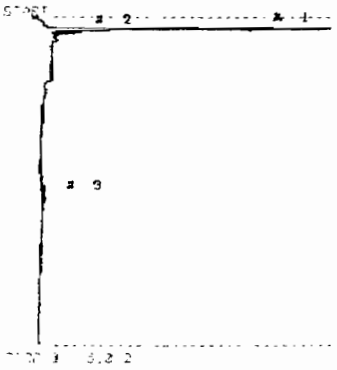
SAMPLE LIBRARY 2 OCT 4 2001 13:20
ANALYSIS # 23 LOT-6 RIVER-TECH
INTERNAL TEMP 30 O-10
GAIN 20 250 MICROLITERS

RAW DATA SHEET

Date 10/4/01

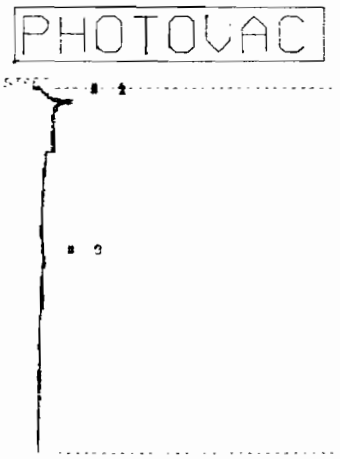
Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC



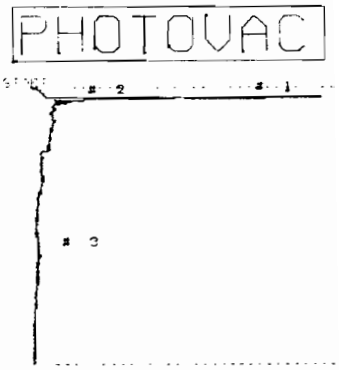
SAMPLE LIBRARY 2 OCT 4 2001 13:30
ANALYSIS # 24 LOT-6 RIVER-TECH
INTERNAL TEMP 29 C-10
GAIN 20 250 MICROLITERS

PHOTOVAC



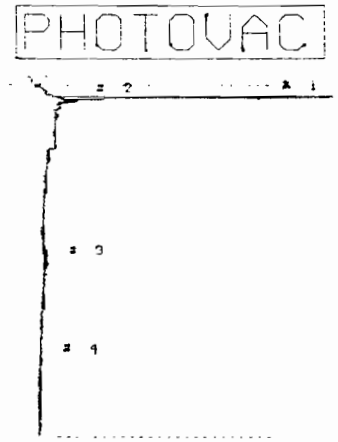
SAMPLE LIBRARY 2 OCT 4 2001 13:51
ANALYSIS # 26 LOT-6 RIVER-TECH
INTERNAL TEMP 30 A-10
GAIN 20 250 MICROLITERS

PHOTOVAC



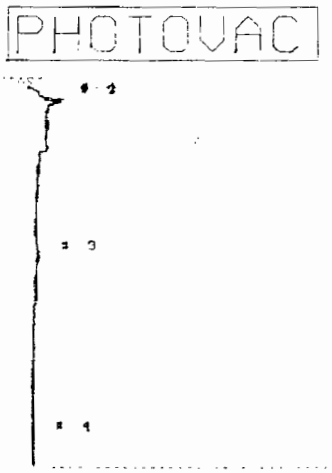
SAMPLE LIBRARY 2 OCT 4 2001 14:12
ANALYSIS # 29 LOT-6 RIVER-TECH
INTERNAL TEMP 31 B-11
GAIN 20 250 MICROLITERS

PHOTOVAC



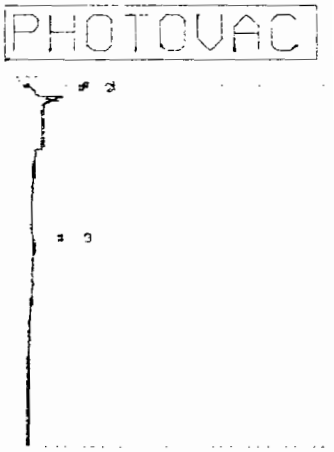
SAMPLE LIBRARY 2 OCT 4 2001 13:40
ANALYSIS # 25 LOT-6 RIVER-TECH
INTERNAL TEMP 29 B-10
GAIN 20 250 MICROLITERS

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 14:02
ANALYSIS # 27 LOT-6 RIVER-TECH
INTERNAL TEMP 30 A-11
GAIN 20 250 MICROLITERS

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 14:22
ANALYSIS # 30 LOT-6 RIVER-TECH
INTERNAL TEMP 31 C-11
GAIN 20 250 MICROLITERS

RAW DATA SHEET

Date 10/4/01

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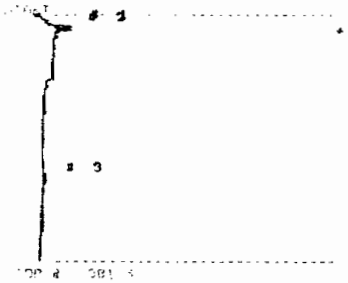
Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 14:29
ANALYSIS # 31 LOT-6 RIVER-TECH
INTERNAL TEMP 31 D-11
GAIN 20 250 MICROLITERS

COMPOUND NAME PEAK R.T. AREA/PPB

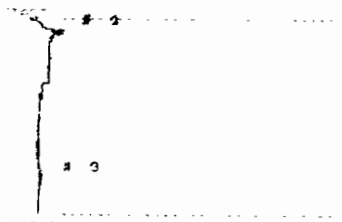
[illegible] 1 20.4 ~~20.25 PPB~~

PHOTOVAC

2 COMPOUND ID # R.T. LIMIT

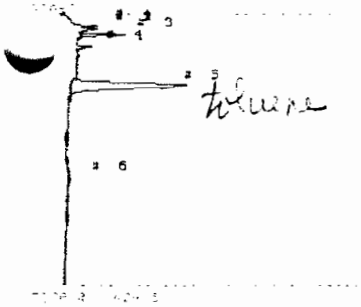
PERC	1	169.2	0.000 PPB
TOLUENE	2	115.3	0.000 PPB
TCE	3	66.7	0.000 PPB
CIS-DCE	4	49.4	0.000 PPB
VINYL CHLORIDE	5	16.7	0.000 PPB
BENZENE	6	55.9	0.000 PPB
ETHYLBENZENE	7	266.4	0.000 PPB
M-P XYLENE	8	283.7	0.000 PPB
MTBE	9	33.7	0.000 PPB
O-XYLENE	10	348.6	0.000 PPB

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 15: 5
ANALYSIS # 34 LOT-6 RIVER-TECH
INTERNAL TEMP 31 BC-2.5
GAIN 20 250 MICROLITERS

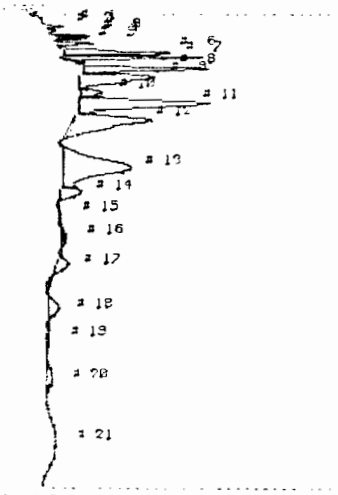
PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 14:37
ANALYSIS # 32 LOT-6 RIVER-TECH
INTERNAL TEMP 32 STANDARD
GAIN 20 250 MICROLITERS

[illegible] 83.85 PPB

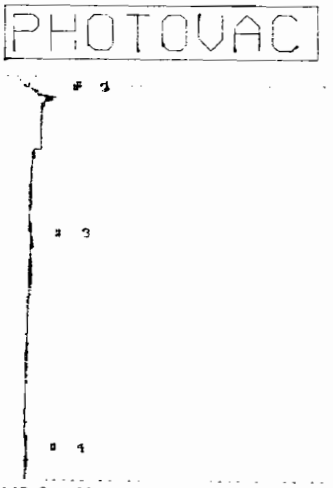
PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 14:53
ANALYSIS # 33 LOT-6 RIVER-TECH
INTERNAL TEMP 30 B-2.5
GAIN 20 1-25 DILUTION

[illegible] 83.85 PPB
[illegible] 82.77 PPB
[illegible] 612.7 PPB
[illegible] 600.5 PPB
[illegible] 328.6 PPB
[illegible] 438.2 PPB

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 15:16
ANALYSIS # 35 LOT-6 RIVER-TECH
INTERNAL TEMP 31 BC-1.5
GAIN 20 250 MICROLITERS

PHOTOVAC

CALIBRATED PEAK 5,TOLUENE

SAMPLE LIBRARY 2 OCT 4 2001 14:39
ANALYSIS # 32 LOT-6 RIVER-TECH
INTERNAL TEMP 31 STANDARD
GAIN 20 250 MICROLITERS

[illegible] 214.2 PPB
[illegible] 21.23 PPB
[illegible] 1.250 PPM

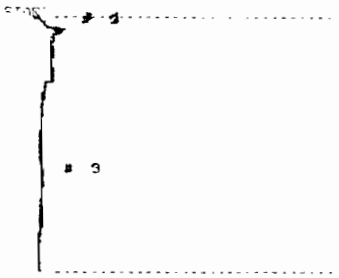
Specialized Environmental Monitoring

RAW DATA SHEET

Date 10/4/01

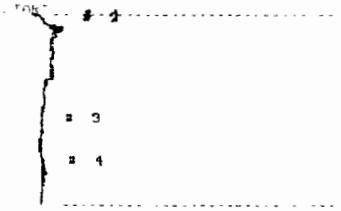
Project: Lot 6
Riverside Tech. Park
Schenectady, NY

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 15:24
ANALYSIS # 36 LOT-6 RIVER-TECH
INTERNAL TEMP 31 BC-4.5
GAIN 20 250 MICROLITERS

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 15:40
ANALYSIS # 38 LOT-6 RIVER-TECH
INTERNAL TEMP 31 BC-3.5
GAIN 20 250 MICROLITERS

PHOTOVAC

SAMPLE LIBRARY 2 OCT 4 2001 15:55
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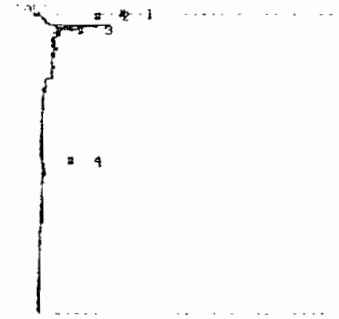
INTERNAL TEMP 31 AB-3.5
GAIN 20 250 MICROLITERS

PHOTOVAC



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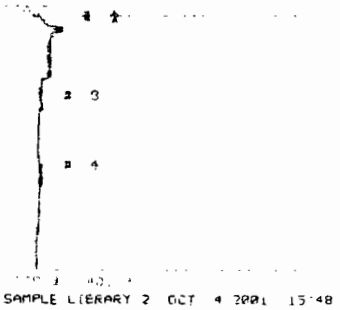
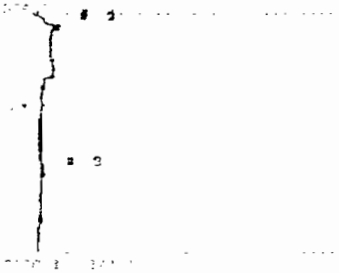
INTERNAL TEMP 31 BC-5.5
GAIN 20 250 MICROLITERS

PHOTOVAC



SAMPLE LIBRARY 2 OCT 4 2001 15:48
ANALYSIS # 39 LOT-6 RIVER-TECH
INTERNAL TEMP 31 AB-5.5
GAIN 20 250 MICROLITERS

PHOTOVAC

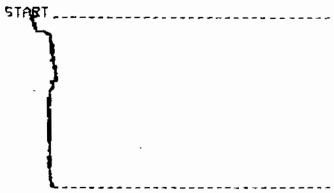


SAMPLE LIBRARY 2 OCT 4 2001 16: 3
ANALYSIS # 41 LOT-6 RIVER-TECH
INTERNAL TEMP 33 AB-2.5
GAIN 20 250 MICROLITERS

RAW DATA SHEET

Date 10/4/01 | Page 15 of 15 | Project: Lot # 6 Tech. Drive Schenectady, NY

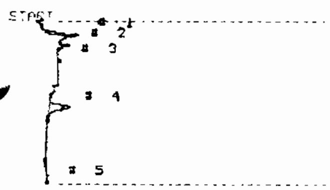
PHOTOVAC



STOP @ 265.6
SAMPLE LIBRARY 2 OCT 4 2001 [illegible]
ANALYSIS # 1 LOT-6 RIVER-TECH
INTERNAL TEMP [illegible] DRY RUN
GAIN 20

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

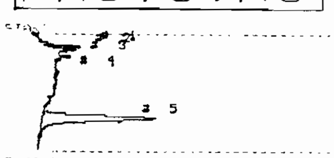


STOP @ 256.6
SAMPLE LIBRARY 2 OCT 4 2001 [illegible]
ANALYSIS # 2 LOT-6 RIVER-TECH
INTERNAL TEMP [illegible] DRY RUN
GAIN 20

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 4 [illegible]

PHOTOVAC



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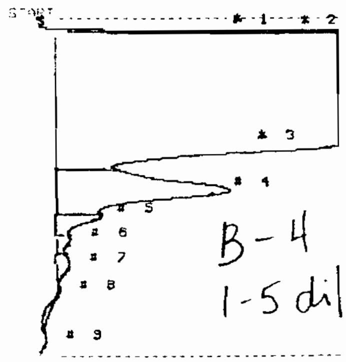
ANALYSIS # 3 LOT-6 RIVER-TECH
INTERNAL TEMP [illegible] STANDARD
GAIN 20 [illegible]

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN [illegible]

PHOTOVAC



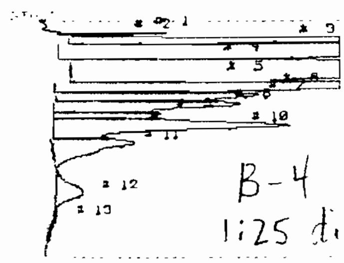
B-4
1-5 dil

STOP @ 525.3
SAMPLE LIBRARY 2 OCT 4 2001 18:41
ANALYSIS # 5 LOT-6 RIVER-TECH
INTERNAL TEMP 31 B-4
GAIN 20 1-5 DILUTION

COMPOUND NAME PEAK R.T. AREA/PPM

[illegible]	1	[illegible]	3.333 PPM
UNKNOWN	2	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1.836 PPM
[illegible]	6	[illegible]	312.5 PPB
[illegible]	[illegible]	[illegible]	[illegible]

PHOTOVAC



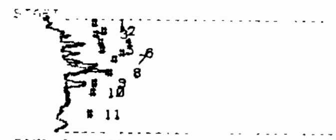
B-4
1:25 dil

STOP @ [illegible]
SAMPLE LIBRARY 2 OCT 4 2001 18:58
ANALYSIS # 6 LOT-6 RIVER-TECH
INTERNAL TEMP 31 B-4
GAIN 20 1-25 DILUTION

COMPOUND NAME PEAK R.T. AREA/PPM

[illegible]	[illegible]	[illegible]	891.2 PPB
UNKNOWN	2	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	20.13 PPM
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	3.350 PPM
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	746.5 PPB
[illegible]	[illegible]	[illegible]	[illegible]

PHOTOVAC

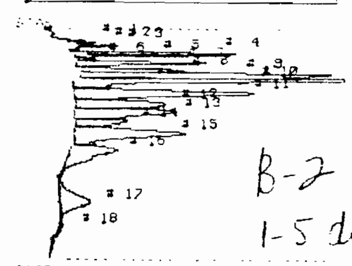


STOP @ [illegible]
SAMPLE LIBRARY 2 OCT 4 2001 16:53
ANALYSIS # 7 LOT-6 RIVER-TECH
INTERNAL TEMP 34 B-2
GAIN 20 1-25 DILUTION

COMPOUND NAME PEAK R.T. AREA/PPM

[illegible]	2	[illegible]	115.9 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	7	[illegible]	86.16 PPB
UNKNOWN	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	87.45 PPB
[illegible]	[illegible]	[illegible]	[illegible]

PHOTOVAC



B-2
1-5 dil

STOP @ [illegible]
SAMPLE LIBRARY 2 OCT 4 2001 17:[illegible]
ANALYSIS # 8 LOT-6 RIVER-TECH
INTERNAL TEMP 33 B-2
GAIN 20 1-5 DILUTION

COMPOUND NAME PEAK R.T. AREA/PPM

[illegible]	[illegible]	[illegible]	365.3 PPB
[illegible]	[illegible]	[illegible]	835.3 PPB
[illegible]	[illegible]	[illegible]	2.344 PPM
[illegible]	[illegible]	[illegible]	2.067 PPM
[illegible]	[illegible]	[illegible]	372.1 PPB

APPENDIX 9

SUPPLEMENTAL TEST PIT EXCAVATION LOGS

TEST PIT EXCAVATION LOG

Test Pit No.: HP-A5

Project Name: COSIDA RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No. 6	Surface :	—		GRID A-5
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hydr. backhoe - 18" buck			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Crs. Gravel & Bldrs, dense, brown w/ crushed stone silty below 1½ ft.	PID 6" - 4-8 ppm 2½' 300-600 ppm
			Gray-Brown silty sand w/ gravel, c-f sand, c-f gravel layered sandy silt @ 3½ ft. strong odor - old gasoline	3½' 600-800 ppm 4½' 500-1,200 ppm
5			3 - jars @ 6½ ft, moist silty f. sand	6' - 2000 ppm
			BOT PIT @ 6½ ft	
10				
15				

Comments:

Test Pit No.: HP-A5

TEST PIT EXCAVATION LOG

Test Pit No.: HP-AB (@ AB-8.5)

Project Name: COSIDA RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No 6	Surface :	—		GRID AB-8.5
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hydr backhoe -18" bucket			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Brown silty f. sand loam, uniform 0'-6.0'	PID 1' 1-3 ppm 2' 1-3 ppm 4' 1-3 ppm 5.5' 1-3 ppm
			4" layer gray silt @ 2.5'	
5			moist/damp @ 5.5' 1 jar sample @ 6.0'	
			BOT PIT @ 6.0'	
10				
15				

Comments:

Test Pit No.: HP-AB

HOLT CONSULTING

TEST PIT EXCAVATION LOG

Test Pit No.: HP-AB2.5

Project Name: COSIDA - RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No 6	Surface :	—		
	Ground Water:			
Client: COSIDA	Bottom :			Date:
Project No.: 158.08	Excav. Equip.: hydr backhoe - 18"- bucket			Logged By:

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			0 - 1½' Brown gravel w/ cobbles, crushed stone, FILL	PID
			med-gray c-f sand, sl. silt, uniform	2' 1-3 ppm
				3' 2-4 ppm
5				4' 2-4 ppm
			damp/wet @ 6.5' 1 - jar sample @ 6.5' damp	6' 8-12 ppm
			BOT PIT @ 6.5'	
10				
15				

Comments:

Test Pit No.: HP-AB2.5

TEST PIT EXCAVATION LOG

Test Pit No.: HP-B2

Project Name: COSIDA RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No 6	Surface :	—		GRID B-2
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hydr. backhoe - 18" bucket			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			Brown sandy FILL w/ cobbles, some brick	PID 0-1 1-5 ppm
			med gray, m-c sand, sl. silt, uniform med. to strong petroleum odor	2' 30-145 ppm
5			3-jar samples @ 5.0'	3' 100-300 ppm
			WATER @ 6.7'	5' 100-300 ppm
			BOT. PIT @ 6.7'	6' 100-300 ppm
10				
15				

Comments:

Test Pit No.: HP-B2

HOLT CONSULTING

TEST PIT EXCAVATION LOG

Test Pit No.: HP - B2.5

Project Name: COSIDA RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No 6	Surface :	—		GRID B - 2.5
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hyd. backhoe - 18" bucket			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			8" TOP SOIL	PID
			RUBBLE FILL, broken asphalt & gravel	1' 4 - 8 ppm
			gray, m-f sand, uniform	2' 20 - 40 ppm
5			strong petroleum odor	3' 60 - 160 ppm
			water @ 6.5'	5' 200 - 300 ppm
			BOT PIT @ 6.5'	
10				
15				

Comments:

Test Pit No.: HP - B2.5

TEST PIT EXCAVATION LOG

Test Pit No.: HP-B4

Project Name: COSIDA RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No 6	Surface :	—		GRID B-4
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hyd backhoe 18"- bucket			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			BROWN SANDY FILL, gravel w/ cobbles	PID
			gray c-f sand, uniform	6" 3-8 ppm
			strong petroleum odor	1' 130-190 ppm
5			3 - sample jars - dry @ 4.0'	2' 1,300 ppm
			3 - sample jars @ 7.0', moist/wet	3' 1,200 ppm
			BOT PIT @ 7.0'	5' 1,500 ppm
10				
15				

Comments:

Test Pit No.: HP-B4

HOLT CONSULTING

TEST PIT EXCAVATION LOG

Test Pit No.: HP-B5

Project Name: COSIDA - RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No 6	Surface :	—		
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hydr. backhoe - 18" bucket			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			0 - 3½' Brown c-f sand w/ cobbles	PID 1' 3 ppm 2.5' 50 ppm
5			3½'-6½' gray crs sand, uniform, w/ crs gravel, few cobbles, strong gasoline odor 3 - sample jars @ 5' moist @ 5'	3.5' 300 ppm 4.5' 300-400 ppm
10			BOT PIT @ 6.5' moist/wet	
15				

Comments:

Test Pit No.: HP-B5

HOLT CONSULTING

TEST PIT EXCAVATION LOG

Test Pit No.: HP-C-2

Project Name: COSIDA - RIVERSIDE		Depth (ft.)	Elev. (ft.)	Test Pit Location:
Project Location: LOT No. 6	Surface :	—		GRID C-2
	Ground Water:			
Client: COSIDA	Bottom :			Date: 11-16-01
Project No.: 158.03	Excav. Equip.: hydr backhoe - 18" bucket			Logged By: JRH

Depth (feet)	Elev. (feet)	Sample	Description	Other Data
0			0-4' FILL w/ boulders, cinders, some brick	PID 1' 1-4 ppm 3' 2-3 ppm 5' 2-3 ppm 6' 2-3 ppm
5			Brown m-f sand, loamy 1 jar sample @ 6.0' damp	
			BOT PIT @ 6.0'	
10				
15				

Comments:

Test Pit No.: HP-C2

APPENDIX 10

SUPPLEMENTARY PHASE III
LOT NO. 6 INVESTIGATION LAB RESULTS

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: RIVERSIDE TECH PARK

HOLT CONSULTING
620 WASHINGTON AVE.
RENSSELAER, NY 12144
5184329021

CHEMTECH PROJECT NO. **P3704**
ATTENTION: **Jeff Holt**

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-01 Client ID: HC-4-02

Date Collected: 8/9/02 Date Received: 8/10/02
Date Analyzed: 8/17/02 Matrix: WATER
File ID: VG081618.D Analytical Run ID: VG081302
Dilution: 1 Instrument ID: MSVOAG
Analytical Method: 624 Associated Blank: VBG0816W2
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

arameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
ıloromethane	74-87-3	< 1.4	U	5.0	1.4	ug/L
ıyl Chloride	75-01-4	< 1.2	U	5.0	1.2	ug/L
omomethane	74-83-9	< 1.7	U	5.0	1.7	ug/L
ıloroethane	75-00-3	< 1.8	U	5.0	1.8	ug/L
ichlorofluoromethane	75-69-4	< 1.3	U	5.0	1.3	ug/L
l-Dichloroethene	75-35-4	< 1.0	U	5.0	1.0	ug/L
ethylene Chloride	75-09-2	< 1.2	U	5.0	1.2	ug/L
ns-1,2-Dichloroethene	156-60-5	< 1.0	U	5.0	1.0	ug/L
l-Dichloroethane	75-34-3	< 1.0	U	5.0	1.0	ug/L
etone	67-64-1	50		25	8.7	ug/L
rbon disulfide	75-15-0	< 0.9	U	5.0	0.9	ug/L
thyl tert-butyl Ether	1634-04-4	< 0.7	U	5.0	0.7	ug/L
-1,2-Dichloroethene	156-59-2	< 1.5	U	5.0	1.5	ug/L
loroform	67-66-3	< 0.8	U	5.0	0.8	ug/L
Butanone	78-93-3	< 9.9	U	25	9.9	ug/L
,1-Trichloroethane	71-55-6	< 0.8	U	5.0	0.8	ug/L
rbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
nzene	71-43-2	< 0.6	U	5.0	0.6	ug/L
-Dichloroethane	107-06-2	< 0.6	U	5.0	0.6	ug/L
chloroethene	79-01-6	< 0.9	U	5.0	0.9	ug/L
-Dichloropropane	78-87-5	< 0.8	U	5.0	0.8	ug/L
omodichloromethane	75-27-4	< 0.9	U	5.0	0.9	ug/L
3-Dichloropropene	10061-02-6	< 1.5	U	5.0	1.5	ug/L
Methyl-2-Pentanone	108-10-1	< 5.9	U	25	5.9	ug/L
Hexanone	591-78-6	< 4.4	U	25	4.4	ug/L
uene	108-88-3	< 1.0	U	5.0	1.0	ug/L
1,3-Dichloropropene	10061-01-5	< 1.5	U	5.0	1.5	ug/L
,2-Trichloroethane	79-00-5	< 1.5	U	5.0	1.5	ug/L
rachloroethene	127-18-4	< 1.0	U	5.0	1.0	ug/L
romochloromethane	124-48-1	< 1.4	U	5.0	1.4	ug/L
orobenzene	108-90-7	< 1.0	U	5.0	1.0	ug/L
yl Benzene	100-41-4	< 1.2	U	5.0	1.2	ug/L
ene	100-42-5	< 0.9	U	5.0	0.9	ug/L
ylene	95-47-6	< 0.9	U	5.0	0.9	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-01	**Client ID:**	HC-4-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	WATER
File ID:	VG081618.D	**Analytical Run ID:**	VG081302
Dilution:	1	**Instrument ID:**	MSVOAG
Analytical Method:	624	**Associated Blank:**	VBG0816W2
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 2.5	U	10	2.5	ug/L
Bromoform	75-25-2	< 1.5	U	5.0	1.5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.8	U	5.0	0.8	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	34	113 %	68 - 135		SPK: 30
Toluene-d8	2037-26-5	29.75	99 %	79 - 120		SPK: 30
4-Bromofluorobenzene	460-00-4	36.13	120 %	77 - 130		SPK: 30
INTERNAL STANDARDS						
Dichlorodifluoromethane	74-97-5	109940	14.46			
[illegible]fluorobenzene	540-36-3	678968	16.45			
Chlorobenzene-d5	3114-55-4	550941	22.90			
TENTITIVE IDENTIFIED COMPOUNDS						
Cyclohexane	110827	26	J	13.35		ug/L
1H-Tetrazole, 5-methyl-	4076362	5.1	J	13.36		ug/L
Benzene, 1,2,3-trimethyl-	526738	18	J	27.01		ug/L
Benzene, 1,3,5-trimethyl-	108678	5.2	J	28.11		ug/L
Benzene, 1-ethenyl-4-methyl-	622979	11	J	28.94		ug/L
Indan, 1-methyl-	767588	13	J	30.28		ug/L
1H-Indene, 2,3-dihydro-4-methyl-	824226	13	J	32.63		ug/L
1H-Indene, 2,3-dihydro-1,6-dimeth	17059482	5.9	J	34.07		ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-02 Client ID: HC-4A-02

Date Collected: 8/9/02 Date Received: 8/10/02
Date Analyzed: 8/17/02 Matrix: WATER
File ID: VG081619.D Analytical Run ID: VG081302
Dilution: 1 Instrument ID: MSVOAG
Analytical Method: 624 Associated Blank: VBG0816W2
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

8/21

arameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
hloromethane	74-87-3	< 1.4	U	5.0	1.4	ug/L
inyl Chloride	75-01-4	< 1.2	U	5.0	1.2	ug/L
romomethane	74-83-9	< 1.7	U	5.0	1.7	ug/L
hloroethane	75-00-3	< 1.8	U	5.0	1.8	ug/L
richlorofluoromethane	75-69-4	< 1.3	U	5.0	1.3	ug/L
1-Dichloroethene	75-35-4	< 1.0	U	5.0	1.0	ug/L
ethylene Chloride	75-09-2	< 1.2	U	5.0	1.2	ug/L
ans-1,2-Dichloroethene	156-60-5	< 1.0	U	5.0	1.0	ug/L
1-Dichloroethane	75-34-3	< 1.0	U	5.0	1.0	ug/L
cetone	67-64-1	52		25	8.7	ug/L
arbon disulfide	75-15-0	< 0.9	U	5.0	0.9	ug/L
ethyl tert-butyl Ether	1634-04-4	< 0.7	U	5.0	0.7	ug/L
s-1,2-Dichloroethene	156-59-2	< 1.5	U	5.0	1.5	ug/L
loroform	67-66-3	< 0.8	U	5.0	0.8	ug/L
Butanone	78-93-3	< 9.9	U	25	9.9	ug/L
1,1-Trichloroethane	71-55-6	< 0.8	U	5.0	0.8	ug/L
rbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
nzene	71-43-2	< 0.6	U	5.0	0.6	ug/L
2-Dichloroethane	107-06-2	< 0.6	U	5.0	0.6	ug/L
ichloroethene	79-01-6	< 0.9	U	5.0	0.9	ug/L
2-Dichloropropane	78-87-5	< 0.8	U	5.0	0.8	ug/L
omodichloromethane	75-27-4	< 0.9	U	5.0	0.9	ug/L
,3-Dichloropropene	10061-02-6	< 1.5	U	5.0	1.5	ug/L
Methyl-2-Pentanone	108-10-1	< 5.9	U	25	5.9	ug/L
Hexanone	591-78-6	< 4.4	U	25	4.4	ug/L
luene	108-88-3	< 1.0	U	5.0	1.0	ug/L
-1,3-Dichloropropene	10061-01-5	< 1.5	U	5.0	1.5	ug/L
,2-Trichloroethane	79-00-5	< 1.5	U	5.0	1.5	ug/L
trachloroethene	127-18-4	< 1.0	U	5.0	1.0	ug/L
bromochloromethane	124-48-1	< 1.4	U	5.0	1.4	ug/L
lorobenzene	108-90-7	< 1.0	U	5.0	1.0	ug/L
yl Benzene	100-41-4	< 1.2	U	5.0	1.2	ug/L
rene	100-42-5	< 0.9	U	5.0	0.9	ug/L
Xylene	95-47-6	< 0.9	U	5.0	0.9	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-02	**Client ID:**	HC-4A-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	WATER
File ID:	VG081619.D	**Analytical Run ID:**	VG081302
Dilution:	1	**Instrument ID:**	MSVOAG
Analytical Method:	624	**Associated Blank:**	VBG0816W2
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	100

arameter	CAS Number	Concentration	C	RDL	MDL	Units
/p-Xylenes	136777-61-2	< 2.5	U	10	2.5	ug/L
romoform	75-25-2	< 1.5	U	5.0	1.5	ug/L
1,2,2-Tetrachloroethane	79-34-5	< 0.8	U	5.0	0.8	ug/L
URROGATES						
2-Dichloroethane-d4	79-00-5	31.7	106 %	68 - 135		SPK: 30
oluene-d8	2037-26-5	27.79	93 %	79 - 120		SPK: 30
Bromofluorobenzene	460-00-4	32.47	108 %	77 - 130		SPK: 30
NTERNAL STANDARDS						
r chloromethane	74-97-5	111087	14.46			
[redacted]luorobenzene	540-36-3	668476	16.44			
hlorobenzene-d5	3114-55-4	567816	22.90			
ENTITIVE IDENTIFIED COMPOUNDS						
yclopentane, methyl-	96377	17	J	13.35		ug/L
Cyclopentene-1-undecanoic acid,	3552123	5.0	J	14.59		ug/L
yclohexane	110827	19	J	15.05		ug/L
enzene, 1,3,5-trimethyl-	108678	20	J	27.00		ug/L
dane	496117	13	J	28.93		ug/L
3-Dihydro-1-methylindene	27133933	18	J	30.27		ug/L
H-Indene, 2,3-dihydro-4-methyl-	824226	16	J	32.63		ug/L
H-Indene, 2,3-dihydro-1,2-dimeth	17057828	7.4	J	34.07		ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-03 Client ID: HC-5-02

Date Collected: 8/9/02 Date Received: 8/10/02
Date Analyzed: 8/17/02 Matrix: WATER
File ID: VG081620.D Analytical Run ID: VG081302
Dilution: 1 Instrument ID: MSVOAG
Analytical Method: 624 Associated Blank: VBG0816W2
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

arameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
hloromethane	74-87-3	< 1.4	U	5.0	1.4	ug/L
inyl Chloride	75-01-4	< 1.2	U	5.0	1.2	ug/L
romomethane	74-83-9	< 1.7	U	5.0	1.7	ug/L
hloroethane	75-00-3	< 1.8	U	5.0	1.8	ug/L
richlorofluoromethane	75-69-4	< 1.3	U	5.0	1.3	ug/L
1-Dichloroethene	75-35-4	< 1.0	U	5.0	1.0	ug/L
[ethylene Chloride	75-09-2	< 1.2	U	5.0	1.2	ug/L
ans-1,2-Dichloroethene	156-60-5	< 1.0	U	5.0	1.0	ug/L
1-Dichloroethane	75-34-3	< 1.0	U	5.0	1.0	ug/L
cetone	67-64-1	< 8.7	U	25	8.7	ug/L
arbon disulfide	75-15-0	< 0.9	U	5.0	0.9	ug/L
ethyl tert-butyl Ether	1634-04-4	< 0.7	U	5.0	0.7	ug/L
s-1,2-Dichloroethene	156-59-2	< 1.5	U	5.0	1.5	ug/L
loroform	67-66-3	< 0.8	U	5.0	0.8	ug/L
Butanone	78-93-3	< 9.9	U	25	9.9	ug/L
1,1-Trichloroethane	71-55-6	< 0.8	U	5.0	0.8	ug/L
arbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
enzene	71-43-2	< 0.6	U	5.0	0.6	ug/L
2-Dichloroethane	107-06-2	< 0.6	U	5.0	0.6	ug/L
ichloroethene	79-01-6	< 0.9	U	5.0	0.9	ug/L
2-Dichloropropane	78-87-5	< 0.8	U	5.0	0.8	ug/L
omodichloromethane	75-27-4	< 0.9	U	5.0	0.9	ug/L
,3-Dichloropropene	10061-02-6	< 1.5	U	5.0	1.5	ug/L
Methyl-2-Pentanone	108-10-1	< 5.9	U	25	5.9	ug/L
Hexanone	591-78-6	< 4.4	U	25	4.4	ug/L
luene	108-88-3	< 1.0	U	5.0	1.0	ug/L
-1,3-Dichloropropene	10061-01-5	< 1.5	U	5.0	1.5	ug/L
1,2-Trichloroethane	79-00-5	< 1.5	U	5.0	1.5	ug/L
trachloroethene	127-18-4	< 1.0	U	5.0	1.0	ug/L
bromochloromethane	124-48-1	< 1.4	U	5.0	1.4	ug/L
lorobenzene	108-90-7	< 1.0	U	5.0	1.0	ug/L
yl Benzene	100-41-4	< 1.2	U	5.0	1.2	ug/L
rene	100-42-5	< 0.9	U	5.0	0.9	ug/L
Xylene	95-47-6	< 0.9	U	5.0	0.9	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-03	**Client ID:**	HC-5-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	WATER
File ID:	VG081620.D	**Analytical Run ID:**	VG081302
Dilution:	1	**Instrument ID:**	MSVOAG
Analytical Method:	624	**Associated Blank:**	VBG0816W2
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 2.5	U	10	2.5	ug/L
Bromoform	75-25-2	< 1.5	U	5.0	1.5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.8	U	5.0	0.8	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	32.7	109 %	68 - 135		SPK: 30
Toluene-d8	2037-26-5	29.53	98 %	79 - 120		SPK: 30
4-Bromofluorobenzene	460-00-4	34.19	114 %	77 - 130		SPK: 30
INTERNAL STANDARDS						
Dichloromethane	74-97-5	111435	14.47			
Fluorobenzene	540-36-3	682075	16.45			
Chlorobenzene-d5	3114-55-4	529949	22.91			

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-04 Client ID: HC-8

Date Collected: 8/9/02
Date Analyzed: 8/17/02
File ID: VG081621.D
Dilution: 1
Analytical Method: 624
Sample Wt/Vol: 5.0 Units: mL
Soil Aliquot Vol:

Date Received: 8/10/02
Matrix: WATER
Analytical Run ID: VG081302
Instrument ID: MSVOAG
Associated Blank: VBG0816W2
Soil Extract Vol:
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.4	U	5.0	1.4	ug/L
Vinyl Chloride	75-01-4	< 1.2	U	5.0	1.2	ug/L
Bromomethane	74-83-9	< 1.7	U	5.0	1.7	ug/L
Chloroethane	75-00-3	< 1.8	U	5.0	1.8	ug/L
Trichlorofluoromethane	75-69-4	< 1.3	U	5.0	1.3	ug/L
1,1-Dichloroethene	75-35-4	< 1.0	U	5.0	1.0	ug/L
Methylene Chloride	75-09-2	< 1.2	U	5.0	1.2	ug/L
trans-1,2-Dichloroethene	156-60-5	< 1.0	U	5.0	1.0	ug/L
1,1-Dichloroethane	75-34-3	< 1.0	U	5.0	1.0	ug/L
Acetone	67-64-1	< 8.7	U	25	8.7	ug/L
Carbon disulfide	75-15-0	< 0.9	U	5.0	0.9	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.7	U	5.0	0.7	ug/L
cis-1,2-Dichloroethene	156-59-2	< 1.5	U	5.0	1.5	ug/L
Chloroform	67-66-3	< 0.8	U	5.0	0.8	ug/L
2-Butanone	78-93-3	< 9.9	U	25	9.9	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.8	U	5.0	0.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Benzene	71-43-2	< 0.6	U	5.0	0.6	ug/L
1,2-Dichloroethane	107-06-2	< 0.6	U	5.0	0.6	ug/L
Trichloroethene	79-01-6	< 0.9	U	5.0	0.9	ug/L
1,2-Dichloropropane	78-87-5	< 0.8	U	5.0	0.8	ug/L
Bromodichloromethane	75-27-4	< 0.9	U	5.0	0.9	ug/L
cis-1,3-Dichloropropene	10061-02-6	< 1.5	U	5.0	1.5	ug/L
4-Methyl-2-Pentanone	108-10-1	< 5.9	U	25	5.9	ug/L
2-Hexanone	591-78-6	< 4.4	U	25	4.4	ug/L
Toluene	108-88-3	2.5	J	5.0	1.0	ug/L
trans-1,3-Dichloropropene	10061-01-5	< 1.5	U	5.0	1.5	ug/L
1,1,2-Trichloroethane	79-00-5	< 1.5	U	5.0	1.5	ug/L
Tetrachloroethene	127-18-4	< 1.0	U	5.0	1.0	ug/L
Dibromochloromethane	124-48-1	< 1.4	U	5.0	1.4	ug/L
Chlorobenzene	108-90-7	< 1.0	U	5.0	1.0	ug/L
Ethyl Benzene	100-41-4	< 1.2	U	5.0	1.2	ug/L
Styrene	100-42-5	< 0.9	U	5.0	0.9	ug/L
Total Xylene	95-47-6	< 0.9	U	5.0	0.9	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-04	**Client ID:**	HC-8
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	WATER
File ID:	VG081621.D	**Analytical Run ID:**	VG081302
Dilution:	1	**Instrument ID:**	MSVOAG
Analytical Method:	624	**Associated Blank:**	VBG0816W2
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 2.5	U	10	2.5	ug/L
Bromoform	75-25-2	< 1.5	U	5.0	1.5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.8	U	5.0	0.8	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	33.04	110 %	68 - 135		SPK: 30
Toluene-d8	2037-26-5	28.52	95 %	79 - 120		SPK: 30
4-Bromofluorobenzene	460-00-4	33.18	111 %	77 - 130		SPK: 30
INTERNAL STANDARDS						
Dichloromethane	74-97-5	111541	14.46			
[redacted]fluorobenzene	540-36-3	690802	16.45			
Chlorobenzene-d5	3114-55-4	571081	22.90			
TENTITIVE IDENTIFIED COMPOUNDS						
Benzene, 1-ethenyl-2-methyl-	611154	6.4	J	28.95		ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-08 Client ID: TB080502

Date Collected: 8/5/02 Date Received: 8/10/02
Date Analyzed: 8/17/02 Matrix: WATER
File ID: VG081605.D Analytical Run ID: VG081302
Dilution: 1 Instrument ID: MSVOAG
Analytical Method: 624 Associated Blank: VBG0816W2
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

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arameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGETS						
hloromethane	74-87-3	< 1.4	U	5.0	1.4	ug/L
inyl Chloride	75-01-4	< 1.2	U	5.0	1.2	ug/L
romomethane	74-83-9	< 1.7	U	5.0	1.7	ug/L
hloroethane	75-00-3	< 1.8	U	5.0	1.8	ug/L
richlorofluoromethane	75-69-4	< 1.3	U	5.0	1.3	ug/L
1-Dichloroethene	75-35-4	< 1.0	U	5.0	1.0	ug/L
lethylene Chloride	75-09-2	< 1.2	U	5.0	1.2	ug/L
ans-1,2-Dichloroethene	156-60-5	< 1.0	U	5.0	1.0	ug/L
1-Dichloroethane	75-34-3	< 1.0	U	5.0	1.0	ug/L
cetone	67-64-1	< 8.7	U	25	8.7	ug/L
arbon disulfide	75-15-0	< 0.9	U	5.0	0.9	ug/L
ethyl tert-butyl Ether	1634-04-4	< 0.7	U	5.0	0.7	ug/L
s-1,2-Dichloroethene	156-59-2	< 1.5	U	5.0	1.5	ug/L
hloroform	67-66-3	< 0.8	U	5.0	0.8	ug/L
Butanone	78-93-3	< 9.9	U	25	9.9	ug/L
1,1-Trichloroethane	71-55-6	< 0.8	U	5.0	0.8	ug/L
arbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
enzene	71-43-2	< 0.6	U	5.0	0.6	ug/L
2-Dichloroethane	107-06-2	< 0.6	U	5.0	0.6	ug/L
ichloroethene	79-01-6	< 0.9	U	5.0	0.9	ug/L
2-Dichloropropane	78-87-5	< 0.8	U	5.0	0.8	ug/L
omodichloromethane	75-27-4	< 0.9	U	5.0	0.9	ug/L
,3-Dichloropropene	10061-02-6	< 1.5	U	5.0	1.5	ug/L
Methyl-2-Pentanone	108-10-1	< 5.9	U	25	5.9	ug/L
Hexanone	591-78-6	< 4.4	U	25	4.4	ug/L
oluene	108-88-3	< 1.0	U	5.0	1.0	ug/L
s-1,3-Dichloropropene	10061-01-5	< 1.5	U	5.0	1.5	ug/L
1,2-Trichloroethane	79-00-5	< 1.5	U	5.0	1.5	ug/L
trachloroethene	127-18-4	< 1.0	U	5.0	1.0	ug/L
bromochloromethane	124-48-1	< 1.4	U	5.0	1.4	ug/L
ilorobenzene	108-90-7	< 1.0	U	5.0	1.0	ug/L
hyl Benzene	100-41-4	< 1.2	U	5.0	1.2	ug/L
yrene	100-42-5	< 0.9	U	5.0	0.9	ug/L
Xylene	95-47-6	< 0.9	U	5.0	0.9	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-08	**Client ID:**	TB080502
Date Collected:	8/5/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	WATER
File ID:	VG081605.D	**Analytical Run ID:**	VG081302
Dilution:	1	**Instrument ID:**	MSVOAG
Analytical Method:	624	**Associated Blank:**	VBG0816W2
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 2.5	U	10	2.5	ug/L
Bromoform	75-25-2	< 1.5	U	5.0	1.5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.8	U	5.0	0.8	ug/L
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	30.82	103 %	68 - 135		SPK: 30
Toluene-d8	2037-26-5	29.18	97 %	79 - 120		SPK: 30
Bromofluorobenzene	460-00-4	34.19	114 %	77 - 130		SPK: 30
INTERNAL STANDARDS						
Dichloromethane	74-97-5	109722	14.44			
4-Fluorobenzene	540-36-3	647855	16.43			
Chlorobenzene-d5	3114-55-4	533896	22.89			
TENTITIVE IDENTIFIED COMPOUNDS						
Column Bleed	2916689	6.6	J	10.91		ug/L

Chemtech

Hit Summary Report

SDG No.: P3704 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: VOC-TCLVOA-10

ample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
lient ID:	HC-4-02							
3704-01	HC-4-02	WATER	Acetone	50		25	8.7	ug/L
3704-01	HC-4-02	WATER	Cyclohexane	* 26	J	0	0	ug/L
3704-01	HC-4-02	WATER	1H-Tetrazole, 5-methyl-	* 5.1	J	0	0	ug/L
3704-01	HC-4-02	WATER	Benzene, 1,2,3-trimethyl-	* 18	J	0	0	ug/L
3704-01	HC-4-02	WATER	Benzene, 1,3,5-trimethyl-	* 5.2	J	0	0	ug/L
3704-01	HC-4-02	WATER	Benzene, 1-ethenyl-4-methyl-	* 11	J	0	0	ug/L
3704-01	HC-4-02	WATER	Indan, 1-methyl-	* 13	J	0	0	ug/L
3704-01	HC-4-02	WATER	1H-Indene, 2,3-dihydro-4-meth	* 13	J	0	0	ug/L
3704-01	HC-4-02	WATER	1H-Indene, 2,3-dihydro-1,6-dir	* 5.9	J	0	0	ug/L
			Total VOC's:	50.00				
			Total TIC's:	97.20				
			Total VOC's and TIC's:	147.20				
lient ID:	HC-4A-02							
3704-02	HC-4A-02	WATER	Acetone	52		25	8.7	ug/L
3704-02	HC-4A-02	WATER	Cyclopentane, methyl-	* 17	J	0	0	ug/L
3704-02	HC-4A-02	WATER	2-Cyclopentene-1-undecanoic a	* 5.0	J	0	0	ug/L
3704-02	HC-4A-02	WATER	Cyclohexane	* 19	J	0	0	ug/L
3704-02	HC-4A-02	WATER	Benzene, 1,3,5-trimethyl-	* 20	J	0	0	ug/L
3704-02	HC-4A-02	WATER	Indane	* 13	J	0	0	ug/L
3704-02	HC-4A-02	WATER	2,3-Dihydro-1-methylindene	* 18	J	0	0	ug/L
3704-02	HC-4A-02	WATER	1H-Indene, 2,3-dihydro-4-meth	* 16	J	0	0	ug/L
3704-02	HC-4A-02	WATER	1H-Indene, 2,3-dihydro-1,2-dir	* 7.4	J	0	0	ug/L
			Total VOC's:	52.00				
			Total TIC's:	115.40				
			Total VOC's and TIC's:	167.40				
lient ID:	HC-8							
3704-04	HC-8	WATER	Toluene	2.5	J	5.0	1.0	ug/L
3704-04	HC-8	WATER	Benzene, 1-ethenyl-2-methyl-	* 6.4	J	0	0	ug/L
			Total VOC's:	2.50				
			Total TIC's:	6.40				
			Total VOC's and TIC's:	8.90				
lient ID:	TB080502							
3704-08	TB080502	WATER	Column Bleed	* 6.6	J	0	0	ug/L
			Total VOC's:	0.00				
			Total TIC's:	6.60				
			Total VOC's and TIC's:	6.60				

ote: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech Consulting Group

Volatiles

DG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-09	**Client ID:**	FS-2A
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	SOIL
File ID:	VA081710.D	**Analytical Run ID:**	VA081602
Dilution:	1	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	11

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.9	U	5.6	1.9	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.6	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.6	1.1	ug/Kg
Chloroethane	75-00-3	< 1.5	U	5.6	1.5	ug/Kg
Methylene Chloride	75-09-2	< 1.5	U	5.6	1.5	ug/Kg
Acetone	67-64-1	< 3.9	U	5.6	3.9	ug/Kg
[illegible]n disulfide	75-15-0	< 1.5	U	5.6	1.5	ug/Kg
[illegible]Dichloroethene	75-35-4	< 1.2	U	5.6	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 1.0	U	5.6	1.0	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 1.0	U	5.6	1.0	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.6	1.2	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 1.0	U	5.6	1.0	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.6	1.1	ug/Kg
1,2-Dichloroethane	107-06-2	< 1.2	U	5.6	1.2	ug/Kg
2-Butanone	78-93-3	< 6.1	U	5.6	6.1	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 1.1	U	5.6	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.4	U	5.6	2.4	ug/Kg
Bromodichloromethane	75-27-4	< 0.90	U	5.6	0.90	ug/Kg
,2-Dichloropropane	78-87-5	< 0.90	U	5.6	0.90	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 1.0	U	5.6	1.0	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.6	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 1.0	U	5.6	1.0	ug/Kg
,1,2-Trichloroethane	79-00-5	< 1.2	U	5.6	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.6	1.1	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.6	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.6	1.2	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 4.5	U	5.6	4.5	ug/Kg
-[illegible]xanone	591-78-6	< 6.7	U	5.6	6.7	ug/Kg
[illegible]chloroethene	127-18-4	< 1.3	U	5.6	1.3	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.6	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.6	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.6	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.6	1.1	ug/Kg
[illegible]	[illegible]	< 1.6	U			

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-09	**Client ID:**	FS-2A
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	SOIL
File ID:	VA081710.D	**Analytical Run ID:**	VA081602
Dilution:	1	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	11

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 3.1	U	5.6	3.1	ug/Kg
o-Xylene	95-47-6	< 1.2	U	5.6	1.2	ug/Kg
tert-Butyl Alcohol	75-65-0	< 4.7	U	5.6	4.7	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	52.45	105 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	48.74	97 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	42.85	86 %	74 - 121		SPK: 50
Dibromofluoromethane		51.61	103 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1144958	6.13			
1,4-Difluorobenzene	540-36-3	1233218	7.90			
Chlorobenzene-d5	3114-55-4	967410	14.15			
1,4-Dichlorobenzene-d4	3855-82-1	632892	19.66			

Chemtech Consulting Group

Volatiles

DG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-10	Client ID:	FS-6-10
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/17/02	Matrix:	SOIL
File ID:	VA081711.D	Analytical Run ID:	VA081602
Dilution:	1	Instrument ID:	MSVOAA
Analytical Method:	8260	Associated Blank:	VBA0817S2
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	5

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 1.8	U	5.3	1.8	ug/Kg
Bromomethane	74-83-9	< 1.1	U	5.3	1.1	ug/Kg
Vinyl chloride	75-01-4	< 1.1	U	5.3	1.1	ug/Kg
Chloroethane	75-00-3	< 1.4	U	5.3	1.4	ug/Kg
Methylene Chloride	75-09-2	< 1.4	U	5.3	1.4	ug/Kg
Acetone	67-64-1	< 3.7	U	5.3	3.7	ug/Kg
[illegible]n disulfide	75-15-0	< 1.4	U	5.3	1.4	ug/Kg
[illegible]ichloroethene	75-35-4	< 1.2	U	5.3	1.2	ug/Kg
1,1-Dichloroethane	75-34-3	< 0.95	U	5.3	0.95	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 0.95	U	5.3	0.95	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 1.2	U	5.3	1.2	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 0.95	U	5.3	0.95	ug/Kg
Chloroform	67-66-3	< 1.1	U	5.3	1.1	ug/Kg
,2-Dichloroethane	107-06-2	< 1.2	U	5.3	1.2	ug/Kg
-Butanone	78-93-3	< 5.7	U	5.3	5.7	ug/Kg
,1,1-Trichloroethane	71-55-6	< 1.1	U	5.3	1.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 2.2	U	5.3	2.2	ug/Kg
Bromodichloromethane	75-27-4	< 0.84	U	5.3	0.84	ug/Kg
,2-Dichloropropane	78-87-5	< 0.84	U	5.3	0.84	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 0.95	U	5.3	0.95	ug/Kg
Trichloroethene	79-01-6	< 1.1	U	5.3	1.1	ug/Kg
Dibromochloromethane	124-48-1	< 0.95	U	5.3	0.95	ug/Kg
,1,2-Trichloroethane	79-00-5	< 1.2	U	5.3	1.2	ug/Kg
Benzene	71-43-2	< 1.1	U	5.3	1.1	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 1.1	U	5.3	1.1	ug/Kg
Bromoform	75-25-2	< 1.2	U	5.3	1.2	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 4.2	U	5.3	4.2	ug/Kg
-Hexanone	591-78-6	< 6.3	U	5.3	6.3	ug/Kg
[illegible]hloroethene	127-18-4	< 1.3	U	5.3	1.3	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 1.1	U	5.3	1.1	ug/Kg
Toluene	108-88-3	< 1.2	U	5.3	1.2	ug/Kg
Chlorobenzene	108-90-7	< 1.2	U	5.3	1.2	ug/Kg
Ethyl Benzene	100-41-4	< 1.1	U	5.3	1.1	ug/Kg
[illegible]ylene	100-42-5	< 1.5	U	5.3		

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-10	**Client ID:**	FS-6-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	SOIL
File ID:	VA081711.D	**Analytical Run ID:**	VA081602
Dilution:	1	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	5

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 2.9	U	5.3	2.9	ug/Kg
o-Xylene	95-47-6	< 1.2	U	5.3	1.2	ug/Kg
tert-Butyl Alcohol	75-65-0	< 4.4	U	5.3	4.4	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	49.45	99 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.69	99 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	42.51	85 %	74 - 121		SPK: 50
Dibromofluoromethane		51.29	103 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1144073	6.13			
1,4-Difluorobenzene	540-36-3	1211363	7.93			
Chlorobenzene-d5	3114-55-4	970294	14.15			
1,4-Dichlorobenzene-d4	3855-82-1	641334	19.66			
TENTITIVE IDENTIFIED COMPOUNDS						
Propanoic acid, 2-methyl-, 3-hydro	74367343	6.2	J	28.69		ug/Kg

Chemtech Consulting Group

Volatiles

DG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-11	**Client ID:**	B10-9
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	SOIL
File ID:	VA081712.D	**Analytical Run ID:**	VA081602
Dilution:	2	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Vol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	15

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 4.0	U	12	4.0	ug/Kg
Bromomethane	74-83-9	< 2.4	U	12	2.4	ug/Kg
Vinyl chloride	75-01-4	< 2.4	U	12	2.4	ug/Kg
Chloroethane	75-00-3	< 3.1	U	12	3.1	ug/Kg
Methylene Chloride	75-09-2	< 3.1	U	12	3.1	ug/Kg
Acetone	67-64-1	< 8.2	U	12	8.2	ug/Kg
[illegible]n disulfide	75-15-0	< 3.1	U	12	3.1	ug/Kg
[illegible]Dichloroethene	75-35-4	< 2.6	U	12	2.6	ug/Kg
1,1-Dichloroethane	75-34-3	< 2.1	U	12	2.1	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 2.1	U	12	2.1	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 2.6	U	12	2.6	ug/Kg
:is-1,2-Dichloroethene	156-59-2	< 2.1	U	12	2.1	ug/Kg
Chloroform	67-66-3	< 2.4	U	12	2.4	ug/Kg
1,2-Dichloroethane	107-06-2	< 2.6	U	12	2.6	ug/Kg
2-Butanone	78-93-3	< 13	U	12	13	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 2.4	U	12	2.4	ug/Kg
Carbon Tetrachloride	56-23-5	< 4.9	U	12	4.9	ug/Kg
Bromodichloromethane	75-27-4	< 1.9	U	12	1.9	ug/Kg
1,2-Dichloropropane	78-87-5	< 1.9	U	12	1.9	ug/Kg
:is-1,3-Dichloropropene	10061-01-5	< 2.1	U	12	2.1	ug/Kg
Trichloroethene	79-01-6	< 2.4	U	12	2.4	ug/Kg
Dibromochloromethane	124-48-1	< 2.1	U	12	2.1	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 2.6	U	12	2.6	ug/Kg
Benzene	71-43-2	< 2.4	U	12	2.4	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 2.4	U	12	2.4	ug/Kg
Bromoform	75-25-2	< 2.6	U	12	2.6	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 9.4	U	12	9.4	ug/Kg
[illegible]xanone	591-78-6	< 14	U	12	14	ug/Kg
[illegible]chloroethene	127-18-4	< 2.8	U	12	2.8	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 2.4	U	12	2.4	ug/Kg
Toluene	108-88-3	< 2.6	U	12	2.6	ug/Kg
Chlorobenzene	108-90-7	< 2.6	U	12	2.6	ug/Kg
Ethyl Benzene	100-41-4	< 2.4	U	12	2.4	ug/Kg
[illegible]	100-42-5	< 2.2	U	12		

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-11 **Client ID:** B10-9

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/17/02 **Matrix:** SOIL
File ID: VA081712.D **Analytical Run ID:** VA081602
Dilution: 2 **Instrument ID:** MSVOAA
Analytical Method: 8260 **Associated Blank:** VBA0817S2
Sample Wt/Wol: 5.0 **Units:** g **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 15

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 6.6	U	12	6.6	ug/Kg
o-Xylene	95-47-6	< 2.6	U	12	2.6	ug/Kg
tert-Butyl Alcohol	75-65-0	< 9.9	U	12	9.9	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	52.15	104 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	40.5	81 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	59.73	119 %	74 - 121		SPK: 50
Dibromofluoromethane		52.29	105 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1092868	6.13			
1,4-Difluorobenzene	540-36-3	1204097	7.93			
Chlorobenzene-d5	3114-55-4	866155	14.16			
1,4-Dichlorobenzene-d4	3855-82-1	562239	19.66			
TENTITIVE IDENTIFIED COMPOUNDS						
Naphthalene, decahydro-2-methyl-	2958761	810	J	21.76		ug/Kg
1,5-Nonadiene, 2-methyl-	55956326	540	J	22.26		ug/Kg
Undecane, 3,6-dimethyl-	17301289	940	J	23.27		ug/Kg
Naphthalene, decahydro-2,6-dimet	1618220	580	J	23.52		ug/Kg
Cyclopentane, butyl-	2040951	1100	J	24.28		ug/Kg
Tridecane, 7-methyl-	26730143	1400	J	24.67		ug/Kg
6-Tridecene, 7-methyl-	24949426	970	J	25.63		ug/Kg
Cyclohexene, 1-ethyl-	1453243	600	J	27.77		ug/Kg
cis-2,6-Dimethyl-2,6-octadiene	2492220	630	J	28.23		ug/Kg
Dodecane, 2,6,11-trimethyl-	31295564	600	J	29.03		ug/Kg

Chemtech Consulting Group

Volatiles

)G No.: P3704

Client: Holt Consulting

Sample ID: P3704-12 Client ID: C10-10

Date Collected: 8/9/02 Date Received: 8/10/02
Date Analyzed: 8/17/02 Matrix: SOIL
File ID: VA081713.D Analytical Run ID: VA081602
Dilution: 2 Instrument ID: MSVOAA
Analytical Method: 8260 Associated Blank: VBA0817S2
Sample Wt/Wol: 5.0 Units: g Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 17

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 4.1	U	12	4.1	ug/Kg
Bromomethane	74-83-9	< 2.4	U	12	2.4	ug/Kg
Vinyl chloride	75-01-4	< 2.4	U	12	2.4	ug/Kg
Chloroethane	75-00-3	< 3.1	U	12	3.1	ug/Kg
Methylene Chloride	75-09-2	< 3.1	U	12	3.1	ug/Kg
Acetone	67-64-1	< 8.4	U	12	8.4	ug/Kg
n disulfide	75-15-0	< 3.1	U	12	3.1	ug/Kg
ichloroethene	75-35-4	< 2.7	U	12	2.7	ug/Kg
,1-Dichloroethane	75-34-3	< 2.2	U	12	2.2	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 2.2	U	12	2.2	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 2.7	U	12	2.7	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 2.2	U	12	2.2	ug/Kg
Chloroform	67-66-3	< 2.4	U	12	2.4	ug/Kg
,2-Dichloroethane	107-06-2	< 2.7	U	12	2.7	ug/Kg
-Butanone	78-93-3	< 13	U	12	13	ug/Kg
,1,1-Trichloroethane	71-55-6	< 2.4	U	12	2.4	ug/Kg
Carbon Tetrachloride	56-23-5	< 5.1	U	12	5.1	ug/Kg
Bromodichloromethane	75-27-4	< 1.9	U	12	1.9	ug/Kg
,2-Dichloropropane	78-87-5	< 1.9	U	12	1.9	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 2.2	U	12	2.2	ug/Kg
richloroethene	79-01-6	< 2.4	U	12	2.4	ug/Kg
Dibromochloromethane	124-48-1	< 2.2	U	12	2.2	ug/Kg
,1,2-Trichloroethane	79-00-5	< 2.7	U	12	2.7	ug/Kg
Benzene	71-43-2	< 2.4	U	12	2.4	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 2.4	U	12	2.4	ug/Kg
Bromoform	75-25-2	< 2.7	U	12	2.7	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 9.6	U	12	9.6	ug/Kg
-H anone	591-78-6	< 14	U	12	14	ug/Kg
nloroethene	127-18-4	< 2.9	U	12	2.9	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 2.4	U	12	2.4	ug/Kg
Toluene	108-88-3	< 2.7	U	12	2.7	ug/Kg
Chlorobenzene	108-90-7	< 2.7	U	12	2.7	ug/Kg
Ethyl Benzene	100-41-4	< 2.4	U	12	2.4	ug/Kg
tyrene	100-42-5	< 3.4	U	12		

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-12	**Client ID:**	C10-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/17/02	**Matrix:**	SOIL
File ID:	VA081713.D	**Analytical Run ID:**	VA081602
Dilution:	2	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	17

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 6.7	U	12	6.7	ug/Kg
o-Xylene	95-47-6	< 2.7	U	12	2.7	ug/Kg
tert-Butyl Alcohol	75-65-0	< 10	U	12	10	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	48.41	97 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	48.1	96 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	45.86	92 %	74 - 121		SPK: 50
Dibromofluoromethane		45.36	91 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1180503	6.13			
1,4-Difluorobenzene	540-36-3	1277988	7.93			
Chlorobenzene-d5	3114-55-4	1014259	14.16			
1,4-Dichlorobenzene-d4	3855-82-1	675523	19.67			
TENTITIVE IDENTIFIED COMPOUNDS						
Cyclohexane, 1,1,3-trimethyl-	3073663	96	J	12.63		ug/Kg
Naphthalene, decahydro-2-methyl-	2958761	130	J	22.25		ug/Kg
cis,trans-1,10-Dimethylspiro[4.5]d	0	180	J	23.53		ug/Kg
Cyclopentane, butyl-	2040951	240	J	24.27		ug/Kg
Tridecane, 7-methyl-	26730143	180	J	24.65		ug/Kg
6-Tridecene, 7-methyl-	24949426	140	J	25.61		ug/Kg
Dodecane, 2,6,10-trimethyl-	3891983	140	J	27.15		ug/Kg
Pentadecane	629629	130	J	29.04		ug/Kg
Pentane, 2,2,3,3-tetramethyl-	7154792	150	J	32.88		ug/Kg
Hexadecane, 2,6,10,14-tetramethy	638368	250	J	33.92		ug/Kg

Chemtech Consulting Group

Volatiles

OG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-13	**Client ID:**	HC-7-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/19/02	**Matrix:**	SOIL
File ID:	VA081908.D	**Analytical Run ID:**	VA081602
Dilution:	5	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0819S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	15

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 10	U	29	10	ug/Kg
Bromomethane	74-83-9	< 5.9	U	29	5.9	ug/Kg
Vinyl chloride	75-01-4	< 5.9	U	29	5.9	ug/Kg
Chloroethane	75-00-3	< 7.6	U	29	7.6	ug/Kg
Methylene Chloride	75-09-2	< 7.6	U	29	7.6	ug/Kg
Acetone	67-64-1	92		29	21	ug/Kg
n disulfide	75-15-0	< 7.6	U	29	7.6	ug/Kg
ichloroethene	75-35-4	< 6.5	U	29	6.5	ug/Kg
,1-Dichloroethane	75-34-3	< 5.3	U	29	5.3	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 5.3	U	29	5.3	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 6.5	U	29	6.5	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 5.3	U	29	5.3	ug/Kg
Chloroform	67-66-3	< 5.9	U	29	5.9	ug/Kg
,2-Dichloroethane	107-06-2	< 6.5	U	29	6.5	ug/Kg
-Butanone	78-93-3	< 32	U	29	32	ug/Kg
,1,1-Trichloroethane	71-55-6	< 5.9	U	29	5.9	ug/Kg
Carbon Tetrachloride	56-23-5	< 12	U	29	12	ug/Kg
Bromodichloromethane	75-27-4	< 4.7	U	29	4.7	ug/Kg
,2-Dichloropropane	78-87-5	< 4.7	U	29	4.7	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 5.3	U	29	5.3	ug/Kg
richloroethene	79-01-6	< 5.9	U	29	5.9	ug/Kg
Dibromochloromethane	124-48-1	< 5.3	U	29	5.3	ug/Kg
,1,2-Trichloroethane	79-00-5	< 6.5	U	29	6.5	ug/Kg
Benzene	71-43-2	< 5.9	U	29	5.9	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 5.9	U	29	5.9	ug/Kg
Bromoform	75-25-2	< 6.5	U	29	6.5	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 24	U	29	24	ug/Kg
anone	591-78-6	< 35	U	29	35	ug/Kg
nloroethene	127-18-4	< 7.1	U	29	7.1	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 5.9	U	29	5.9	ug/Kg
oluene	108-88-3	< 6.5	U	29	6.5	ug/Kg
hlorobenzene	108-90-7	< 6.5	U	29	6.5	ug/Kg
thyl Benzene	100-41-4	< 5.9	U	29	5.9	ug/Kg
tyrene	100-42-5	< 8.2	U	29		

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-13 **Client ID:** HC-7-10

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/19/02 **Matrix:** SOIL
File ID: VA081908.D **Analytical Run ID:** VA081602
Dilution: 5 **Instrument ID:** MSVOAA
Analytical Method: 8260 **Associated Blank:** VBA0819S2
Sample Wt/Wol: 5.0 **Units:** g **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 15

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
n/p-Xylenes	136777-61-2	< 16	U	29	16	ug/Kg
)-Xylene	95-47-6	< 6.5	U	29	6.5	ug/Kg
ert-Butyl Alcohol	75-65-0	< 25	U	29	25	ug/Kg
SURROGATES						
,2-Dichloroethane-d4	79-00-5	47.25	95 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	46.4	93 %	81 - 117		SPK: 50
l-Bromofluorobenzene	460-00-4	42.04	84 %	74 - 121		SPK: 50
Dibromofluoromethane		44.55	89 %	80 - 120		SPK: 50
NTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1367711	6.05			
,4-Difluorobenzene	540-36-3	1408060	7.82			
Chlorobenzene-d5	3114-55-4	1110615	14.07			
,4-Dichlorobenzene-d4	3855-82-1	755681	19.56			
TENTITIVE IDENTIFIED COMPOUNDS						
Undecane, 2,6-dimethyl-	17301234	390	J	23.14		ug/Kg
Cyclohexane, 2-butyl-1,1,3-trimet	54676390	260	J	24.18		ug/Kg
Tridecane, 7-methyl-	26730143	670	J	24.56		ug/Kg
-Dotriacontanol	6624799	390	J	25.52		ug/Kg
-Aziridinone, 1-(1-adamantyl)-3-(	26905180	250	J	26.18		ug/Kg
Dodecane, 2,6,10-trimethyl-	3891983	490	J	27.05		ug/Kg
Hexadecane	544763	240	J	27.66		ug/Kg
Cyclopropyl)trivinylsilane	0	190	J	27.90		ug/Kg
Pyrazolo[5,1-c]-as-triazine-3-carbo	16111787	180	J	28.12		ug/Kg
Heptadecane, 2,6,10,15-tetramethy	54833486	320	J	28.94		ug/Kg

Chemtech Consulting Group

Volatiles

OG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-14	**Client ID:**	HC-8-13
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/18/02	**Matrix:**	SOIL
File ID:	VA081715.D	**Analytical Run ID:**	VA081602
Dilution:	5	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	18

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 10	U	30	10	ug/Kg
Bromomethane	74-83-9	< 6.1	U	30	6.1	ug/Kg
Vinyl chloride	75-01-4	< 6.1	U	30	6.1	ug/Kg
Chloroethane	75-00-3	< 7.9	U	30	7.9	ug/Kg
Methylene Chloride	75-09-2	< 7.9	U	30	7.9	ug/Kg
Acetone	67-64-1	< 21	U	30	21	ug/Kg
[illegible]n disulfide	75-15-0	< 7.9	U	30	7.9	ug/Kg
[illegible]ichloroethene	75-35-4	< 6.7	U	30	6.7	ug/Kg
,1-Dichloroethane	75-34-3	< 5.5	U	30	5.5	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 5.5	U	30	5.5	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 6.7	U	30	6.7	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 5.5	U	30	5.5	ug/Kg
Chloroform	67-66-3	< 6.1	U	30	6.1	ug/Kg
,2-Dichloroethane	107-06-2	< 6.7	U	30	6.7	ug/Kg
-Butanone	78-93-3	< 33	U	30	33	ug/Kg
,1,1-Trichloroethane	71-55-6	< 6.1	U	30	6.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 13	U	30	13	ug/Kg
Bromodichloromethane	75-27-4	< 4.9	U	30	4.9	ug/Kg
,2-Dichloropropane	78-87-5	< 4.9	U	30	4.9	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 5.5	U	30	5.5	ug/Kg
Trichloroethene	79-01-6	< 6.1	U	30	6.1	ug/Kg
Dibromochloromethane	124-48-1	< 5.5	U	30	5.5	ug/Kg
,1,2-Trichloroethane	79-00-5	< 6.7	U	30	6.7	ug/Kg
Benzene	71-43-2	< 6.1	U	30	6.1	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 6.1	U	30	6.1	ug/Kg
Bromoform	75-25-2	< 6.7	U	30	6.7	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 24	U	30	24	ug/Kg
-[illegible]anone	591-78-6	< 37	U	30	37	ug/Kg
[illegible]hloroethene	127-18-4	< 7.3	U	30	7.3	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 6.1	U	30	6.1	ug/Kg
Toluene	108-88-3	< 6.7	U	30	6.7	ug/Kg
Chlorobenzene	108-90-7	< 6.7	U	30	6.7	ug/Kg
Ethyl Benzene	100-41-4	< 6.1	U	30	6.1	ug/Kg
Styrene	100-42-5	< 8.5	U	30		

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-14 **Client ID:** HC-8-13

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/18/02 **Matrix:** SOIL
File ID: VA081715.D **Analytical Run ID:** VA081602
Dilution: 5 **Instrument ID:** MSVOAA
Analytical Method: 8260 **Associated Blank:** VBA0817S2
Sample Wt/Wol: 5.0 **Units:** g **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 18

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 17	U	30	17	ug/Kg
o-Xylene	95-47-6	< 6.7	U	30	6.7	ug/Kg
tert-Butyl Alcohol	75-65-0	< 26	U	30	26	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	50.81	102 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.61	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	165.4	331 %	74 - 121		SPK: 50
Dibromofluoromethane		43.05	86 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1163492	6.10			
1,4-Difluorobenzene	540-36-3	1259678	7.93			
Chlorobenzene-d5	3114-55-4	951987	14.17			
1,4-Dichlorobenzene-d4	3855-82-1	625856	19.69			
TENTITIVE IDENTIFIED COMPOUNDS						
Cyclohexane, 1,3-dimethyl-, cis-	638040	630	J	10.56		ug/Kg
Cyclohexane, 1,1,3-trimethyl-	3073663	640	J	12.66		ug/Kg
trans-2-Undecen-1-ol	0	830	J	15.78		ug/Kg
1-Hexene, 3,3,5-trimethyl-	13427435	620	J	16.82		ug/Kg
Cycloheptane, methyl-	4126787	480	J	17.45		ug/Kg
Decane, 4-methyl-	2847725	590	J	18.10		ug/Kg
Cyclohexane, (2-methylpropyl)-	1678984	520	J	19.09		ug/Kg
Naphthalene, decahydro-	91178	770	J	20.32		ug/Kg
Undecane, 2,6-dimethyl-	17301234	830	J	23.31		ug/Kg
Heptadecane, 2,6-dimethyl-	54105678	610	J	24.68		ug/Kg

Chemtech Consulting Group

Volatiles

[redacted]G No.: P3704

Client: Holt Consulting

Sample ID:	P3704-14RE	**Client ID:**	HC-8-13RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/19/02	**Matrix:**	SOIL
File ID:	VA081909.D	**Analytical Run ID:**	VA081602
Dilution:	5	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0819S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	18

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 10	U	30	10	ug/Kg
Bromomethane	74-83-9	< 6.1	U	30	6.1	ug/Kg
Vinyl chloride	75-01-4	< 6.1	U	30	6.1	ug/Kg
Chloroethane	75-00-3	< 7.9	U	30	7.9	ug/Kg
Methylene Chloride	75-09-2	< 7.9	U	30	7.9	ug/Kg
Acetone	67-64-1	130		30	21	ug/Kg
[redacted]n disulfide	75-15-0	< 7.9	U	30	7.9	ug/Kg
[redacted]ichloroethene	75-35-4	< 6.7	U	30	6.7	ug/Kg
1,1-Dichloroethane	75-34-3	< 5.5	U	30	5.5	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 5.5	U	30	5.5	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 6.7	U	30	6.7	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 5.5	U	30	5.5	ug/Kg
Chloroform	67-66-3	< 6.1	U	30	6.1	ug/Kg
,2-Dichloroethane	107-06-2	< 6.7	U	30	6.7	ug/Kg
-Butanone	78-93-3	< 33	U	30	33	ug/Kg
,1,1-Trichloroethane	71-55-6	< 6.1	U	30	6.1	ug/Kg
Carbon Tetrachloride	56-23-5	< 13	U	30	13	ug/Kg
Bromodichloromethane	75-27-4	< 4.9	U	30	4.9	ug/Kg
,2-Dichloropropane	78-87-5	< 4.9	U	30	4.9	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 5.5	U	30	5.5	ug/Kg
Trichloroethene	79-01-6	< 6.1	U	30	6.1	ug/Kg
Dibromochloromethane	124-48-1	< 5.5	U	30	5.5	ug/Kg
,1,2-Trichloroethane	79-00-5	< 6.7	U	30	6.7	ug/Kg
Benzene	71-43-2	< 6.1	U	30	6.1	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 6.1	U	30	6.1	ug/Kg
Bromoform	75-25-2	< 6.7	U	30	6.7	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 24	U	30	24	ug/Kg
[redacted]anone	591-78-6	< 37	U	30	37	ug/Kg
[redacted]hloroethene	127-18-4	< 7.3	U	30	7.3	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 6.1	U	30	6.1	ug/Kg
Toluene	108-88-3	< 6.7	U	30	6.7	ug/Kg
Chlorobenzene	108-90-7	< 6.7	U	30	6.7	ug/Kg
Ethyl Benzene	100-41-4	< 6.1	U	30	6.1	ug/Kg
Styrene	100-42-5	< 8.5	U	30	8.5	ug/Kg

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-14RE **Client ID:** HC-8-13RE

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/19/02 **Matrix:** SOIL
File ID: VA081909.D **Analytical Run ID:** VA081602
Dilution: 5 **Instrument ID:** MSVOAA
Analytical Method: 8260 **Associated Blank:** VBA0819S2
Sample Wt/Wol: 5.0 **Units:** g **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 18

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 17	U	30	17	ug/Kg
o-Xylene	95-47-6	< 6.7	U	30	6.7	ug/Kg
tert-Butyl Alcohol	75-65-0	< 26	U	30	26	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	48.37	97 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	50.52	101 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	190.97	382 %	74 - 121		SPK: 50
Dibromofluoromethane		40.95	82 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1317196	6.02			
1,4-Difluorobenzene	540-36-3	1346757	7.83			
Chlorobenzene-d5	3114-55-4	1052006	14.06			
1,4-Dichlorobenzene-d4	3855-82-1	698098	19.58			
TENTITIVE IDENTIFIED COMPOUNDS						
Cyclohexane, 1,3-dimethyl-, cis-	638040	690	J	10.48		ug/Kg
Cyclohexane, 1,2,3-trimethyl-, (1.	7667552	540	J	10.91		ug/Kg
Cyclohexane, 1,1,3-trimethyl-	3073663	610	J	12.58		ug/Kg
Cyclooctyl alcohol	696719	900	J	15.67		ug/Kg
1-Hexene, 3,3,5-trimethyl-	13427435	680	J	16.71		ug/Kg
Nonane, 2,6-dimethyl-	17302282	580	J	18.00		ug/Kg
Cyclohexane, butyl-	1678939	500	J	18.98		ug/Kg
Cyclohexane, 1,4-dimethyl-, cis-	624293	730	J	20.30		ug/Kg
Undecane, 2,6-dimethyl-	17301234	760	J	23.23		ug/Kg
Decanedioic acid, didecyl ester	2432895	550	J	24.60		ug/Kg

Chemtech Consulting Group

Volatiles

DG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-15	**Client ID:**	HC-9-12
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/18/02	**Matrix:**	SOIL
File ID:	VA081716.D	**Analytical Run ID:**	VA081602
Dilution:	2	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0817S2
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	19

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 4.2	U	12	4.2	ug/Kg
Bromomethane	74-83-9	< 2.5	U	12	2.5	ug/Kg
Vinyl chloride	75-01-4	< 2.5	U	12	2.5	ug/Kg
Chloroethane	75-00-3	< 3.2	U	12	3.2	ug/Kg
Methylene Chloride	75-09-2	< 3.2	U	12	3.2	ug/Kg
Acetone	67-64-1	< 8.6	U	12	8.6	ug/Kg
Carbon disulfide	75-15-0	< 3.2	U	12	3.2	ug/Kg
1,1-Dichloroethene	75-35-4	< 2.7	U	12	2.7	ug/Kg
1,1-Dichloroethane	75-34-3	< 2.2	U	12	2.2	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 2.2	U	12	2.2	ug/Kg
trans-1,2-Dichloroethene	156-60-5	< 2.7	U	12	2.7	ug/Kg
cis-1,2-Dichloroethene	156-59-2	< 2.2	U	12	2.2	ug/Kg
Chloroform	67-66-3	< 2.5	U	12	2.5	ug/Kg
1,2-Dichloroethane	107-06-2	< 2.7	U	12	2.7	ug/Kg
2-Butanone	78-93-3	< 13	U	12	13	ug/Kg
1,1,1-Trichloroethane	71-55-6	< 2.5	U	12	2.5	ug/Kg
Carbon Tetrachloride	56-23-5	< 5.2	U	12	5.2	ug/Kg
Bromodichloromethane	75-27-4	< 2.0	U	12	2.0	ug/Kg
1,2-Dichloropropane	78-87-5	< 2.0	U	12	2.0	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	< 2.2	U	12	2.2	ug/Kg
Trichloroethene	79-01-6	< 2.5	U	12	2.5	ug/Kg
Dibromochloromethane	124-48-1	< 2.2	U	12	2.2	ug/Kg
1,1,2-Trichloroethane	79-00-5	< 2.7	U	12	2.7	ug/Kg
Benzene	71-43-2	< 2.5	U	12	2.5	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	< 2.5	U	12	2.5	ug/Kg
Bromoform	75-25-2	< 2.7	U	12	2.7	ug/Kg
4-Methyl-2-Pentanone	108-10-1	< 9.9	U	12	9.9	ug/Kg
2-Hexanone	591-78-6	< 15	U	12	15	ug/Kg
Tetrachloroethene	127-18-4	< 3.0	U	12	3.0	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	< 2.5	U	12	2.5	ug/Kg
Toluene	108-88-3	< 2.7	U	12	2.7	ug/Kg
Chlorobenzene	108-90-7	< 2.7	U	12	2.7	ug/Kg
Ethyl Benzene	100-41-4	< 2.5	U	12	2.5	ug/Kg
Styrene	100-42-5	< 3.5	U	12	2.5	ug/Kg

Chemtech Consulting Group

Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-15 **Client ID:** HC-9-12

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/18/02 **Matrix:** SOIL
File ID: VA081716.D **Analytical Run ID:** VA081602
Dilution: 2 **Instrument ID:** MSVOAA
Analytical Method: 8260 **Associated Blank:** VBA0817S2
Sample Wt/Wol: 5.0 **Units:** g **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 19

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 6.9	U	12	6.9	ug/Kg
o-Xylene	95-47-6	< 2.7	U	12	2.7	ug/Kg
tert-Butyl Alcohol	75-65-0	< 10	U	12	10	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	54.51	109 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	40.31	81 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	32.67	65 %	74 - 121		SPK: 50
Dibromofluoromethane		27.85	56 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	887854	6.13			
1,4-Difluorobenzene	540-36-3	1351624	7.90			
Chlorobenzene-d5	3114-55-4	1054166	14.15			
1,4-Dichlorobenzene-d4	3855-82-1	676276	19.67			
TENTITIVE IDENTIFIED COMPOUNDS						
4-Bromofluorobenzene	460004	130	J	16.91		ug/Kg
Undecane, 3,6-dimethyl-	17301289	110	J	23.25		ug/Kg
Octane, 2,3,7-trimethyl-	62016346	150	J	24.64		ug/Kg
1-Tetradecene	10374740	84	J	25.60		ug/Kg
Silane, tetra-2-propenyl-	1112669	120	J	28.67		ug/Kg
Decane, 5-propyl-	17312628	120	J	29.02		ug/Kg
1H-Indene, octahydro-2,2,4,4,7,7	54832836	210	J	29.68		ug/Kg
Decahydro-4,4,8,9,10-pentamethyl	0	140	J	30.58		ug/Kg
Cyclopentane, 1-methyl-1-(2-meth	74764479	100	J	30.75		ug/Kg
Naphthalene, 2,3,6-trimethyl-	829265	93	J	32.92		ug/Kg

Chemtech Consulting Group

Volatiles

DG No.: P3704

Client: Holt Consulting

Sample ID:	P3704-15RE	**Client ID:**	HC-9-12RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/19/02	**Matrix:**	SOIL
File ID:	VA081910.D	**Analytical Run ID:**	VA081602
Dilution:	2	**Instrument ID:**	MSVOAA
Analytical Method:	8260	**Associated Blank:**	VBA0819S2
Sample Wt/Wol:	5.0 **Units:** g	**Soil Extract Vol:**	
Soil Aliquot Vol:		**% Moisture:**	19

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Chloromethane	74-87-3	< 4.2	U	12	4.2	ug/Kg
Bromomethane	74-83-9	< 2.5	U	12	2.5	ug/Kg
Vinyl chloride	75-01-4	< 2.5	U	12	2.5	ug/Kg
Chloroethane	75-00-3	< 3.2	U	12	3.2	ug/Kg
Methylene Chloride	75-09-2	< 3.2	U	12	3.2	ug/Kg
Acetone	67-64-1	< 8.6	U	12	8.6	ug/Kg
[illegible]n disulfide	75-15-0	< 3.2	U	12	3.2	ug/Kg
[illegible]ichloroethene	75-35-4	< 2.7	U	12	2.7	ug/Kg
1,1-Dichloroethane	75-34-3	< 2.2	U	12	2.2	ug/Kg
Methyl tert-butyl Ether	1634-04-4	< 2.2	U	12	2.2	ug/Kg
rans-1,2-Dichloroethene	156-60-5	< 2.7	U	12	2.7	ug/Kg
is-1,2-Dichloroethene	156-59-2	< 2.2	U	12	2.2	ug/Kg
Chloroform	67-66-3	< 2.5	U	12	2.5	ug/Kg
,2-Dichloroethane	107-06-2	< 2.7	U	12	2.7	ug/Kg
-Butanone	78-93-3	< 13	U	12	13	ug/Kg
,1,1-Trichloroethane	71-55-6	< 2.5	U	12	2.5	ug/Kg
Carbon Tetrachloride	56-23-5	< 5.2	U	12	5.2	ug/Kg
Bromodichloromethane	75-27-4	< 2.0	U	12	2.0	ug/Kg
,2-Dichloropropane	78-87-5	< 2.0	U	12	2.0	ug/Kg
is-1,3-Dichloropropene	10061-01-5	< 2.2	U	12	2.2	ug/Kg
Trichloroethene	79-01-6	< 2.5	U	12	2.5	ug/Kg
Dibromochloromethane	124-48-1	< 2.2	U	12	2.2	ug/Kg
,1,2-Trichloroethane	79-00-5	< 2.7	U	12	2.7	ug/Kg
Benzene	71-43-2	< 2.5	U	12	2.5	ug/Kg
-1,3-Dichloropropene	10061-02-6	< 2.5	U	12	2.5	ug/Kg
Bromoform	75-25-2	< 2.7	U	12	2.7	ug/Kg
-Methyl-2-Pentanone	108-10-1	< 9.9	U	12	9.9	ug/Kg
-Hexanone	591-78-6	< 15	U	12	15	ug/Kg
[illegible]nloroethene	127-18-4	< 3.0	U	12	3.0	ug/Kg
,1,2,2-Tetrachloroethane	79-34-5	< 2.5	U	12	2.5	ug/Kg
Toluene	108-88-3	< 2.7	U	12	2.7	ug/Kg
Chlorobenzene	108-90-7	< 2.7	U	12	2.7	ug/Kg
Ethyl Benzene	100-41-4	< 2.5	U	12	2.5	ug/Kg
tyrene	100-42-5	< 3.5	U	12	3.5	ug/Kg

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Volatiles

SDG No.: P3704

Client: Holt Consulting

Sample ID: P3704-15RE **Client ID:** HC-9-12RE

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/19/02 **Matrix:** SOIL
File ID: VA081910.D **Analytical Run ID:** VA081602
Dilution: 2 **Instrument ID:** MSVOAA
Analytical Method: 8260 **Associated Blank:** VBA0819S2
Sample Wt/Wol: 5.0 **Units:** g **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 19

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
m/p-Xylenes	136777-61-2	< 6.9	U	12	6.9	ug/Kg
o-Xylene	95-47-6	< 2.7	U	12	2.7	ug/Kg
tert-Butyl Alcohol	75-65-0	< 10	U	12	10	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	79-00-5	34.96	70 %	70 - 121		SPK: 50
Toluene-d8	2037-26-5	49.81	100 %	81 - 117		SPK: 50
4-Bromofluorobenzene	460-00-4	42.67	85 %	74 - 121		SPK: 50
Dibromofluoromethane		34.46	69 %	80 - 120		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	1376007	6.05			
1,4-Difluorobenzene	540-36-3	1420439	7.82			
Chlorobenzene-d5	3114-55-4	1161286	14.07			
1,4-Dichlorobenzene-d4	3855-82-1	764520	19.58			
TENTITIVE IDENTIFIED COMPOUNDS						
Undecane, 2,6-dimethyl-	17301234	130	J	23.17		ug/Kg
Cyclohexane, 2-butyl-1,1,3-trimet	54676390	60	J	24.18		ug/Kg
Octane, 2,3,7-trimethyl-	62016346	140	J	24.56		ug/Kg
1-Tridecene	2437561	84	J	25.52		ug/Kg
Dodecane, 2,6,10-trimethyl-	3891983	77	J	27.08		ug/Kg
Tetratetracontane	7098228	61	J	28.94		ug/Kg
1H-Indene, octahydro-2,2,4,4,7,7	54832836	160	J	29.57		ug/Kg
1,6-Heptadiene, 2,5,5-trimethyl-	62238282	64	J	30.48		ug/Kg
Ethyl chrysanthemate	97416	62	J	30.81		ug/Kg
Naphthalene, 1,6,7-trimethyl-	2245387	75	J	32.84		ug/Kg

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Hit Summary Report

SDG No.: P3704 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: VOC-TCL +10+MTBE+TBA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**B10-9**							
P3704-11	B10-9	SOIL	Naphthalene, decahydro-2-met	* 810	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	4,5-Nonadiene, 2-methyl-	* 540	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	Undecane, 3,6-dimethyl-	* 940	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	Naphthalene, decahydro-2,6-d	* 580	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	Cyclopentane, butyl-	* 1100	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	Tridecane, 7-methyl-	* 1400	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	6-Tridecene, 7-methyl-	* 970	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	Cyclohexene, 1-ethyl-	* 600	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	cis-2,6-Dimethyl-2,6-octadien	* 630	J	0	0	ug/Kg
P3704-11	B10-9	SOIL	Dodecane, 2,6,11-trimethyl-	* 600	J	0	0	ug/Kg
			Total VOC's:	0.00				
			Total TIC's:	8170.00				
			Total VOC's and TIC's:	8170.00				
Client ID:	**C10-10**							
P3704-12	C10-10	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 96	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Naphthalene, decahydro-2-met	* 130	J	0	0	ug/Kg
[illegible]-12	C10-10	SOIL	cis,trans-1,10-Dimethylspiro[4	* 180	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Cyclopentane, butyl-	* 240	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Tridecane, 7-methyl-	* 180	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	6-Tridecene, 7-methyl-	* 140	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Dodecane, 2,6,10-trimethyl-	* 140	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Pentadecane	* 130	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Pentane, 2,2,3,3-tetramethyl-	* 150	J	0	0	ug/Kg
P3704-12	C10-10	SOIL	Hexadecane, 2,6,10,14-tetram	* 250	J	0	0	ug/Kg
			Total VOC's:	0.00				
			Total TIC's:	1636.00				
			Total VOC's and TIC's:	1636.00				
Client ID:	**FS-6-10**							
P3704-10	FS-6-10	SOIL	Propanoic acid, 2-methyl-, 3-h	* 6.2	J	0	0	ug/Kg
			Total VOC's:	0.00				
			Total TIC's:	6.20				
			Total VOC's and TIC's:	6.20				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3704 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: VOC-TCL +10+MTBE+TBA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**HC-7-10**							
P3704-13	HC-7-10	SOIL	Acetone	92		29	21	ug/Kg
P3704-13	HC-7-10	SOIL	Undecane, 2,6-dimethyl-	* 390	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	Cyclohexane, 2-butyl-1,1,3-t	* 260	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	Tridecane, 7-methyl-	* 670	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	1-Dotriacontanol	* 390	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	2-Aziridinone, 1-(1-adamantyl	* 250	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	Dodecane, 2,6,10-trimethyl-	* 490	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	Hexadecane	* 240	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	(Cyclopropyl)trivinylsilane	* 190	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	Pyrazolo[5,1-c]-as-triazine-3-	* 180	J	0	0	ug/Kg
P3704-13	HC-7-10	SOIL	Heptadecane, 2,6,10,15-tetra	* 320	J	0	0	ug/Kg
			Total VOC's:	92.00				
			Total TIC's:	3380.00				
			Total VOC's and TIC's:	3472.00				
Client ID:	**HC-8-13**							
P3704-14	HC-8-13	SOIL	Cyclohexane, 1,3-dimethyl-, c	* 630	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 640	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	trans-2-Undecen-1-ol	* 830	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	1-Hexene, 3,3,5-trimethyl-	* 620	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Cycloheptane, methyl-	* 480	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Decane, 4-methyl-	* 590	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Cyclohexane, (2-methylpropyl	* 520	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Naphthalene, decahydro-	* 770	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Undecane, 2,6-dimethyl-	* 830	J	0	0	ug/Kg
P3704-14	HC-8-13	SOIL	Heptadecane, 2,6-dimethyl-	* 610	J	0	0	ug/Kg
			Total VOC's:	0.00				
			Total TIC's:	6520.00				
			Total VOC's and TIC's:	6520.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3704 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: VOC-TCL +10+MTBE+TBA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**HC-8-13RE**							
P3704-14RE	HC-8-13RE	SOIL	Acetone	130		30	21	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Cyclohexane, 1,3-dimethyl-, c	* 690	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Cyclohexane, 1,2,3-trimethyl-,	* 540	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 610	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Cyclooctyl alcohol	* 900	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	1-Hexene, 3,3,5-trimethyl-	* 680	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Nonane, 2,6-dimethyl-	* 580	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Cyclohexane, butyl-	* 500	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Cyclohexane, 1,4-dimethyl-, c	* 730	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Undecane, 2,6-dimethyl-	* 760	J	0	0	ug/Kg
P3704-14RE	HC-8-13RE	SOIL	Decanedioic acid, didecyl est	* 550	J	0	0	ug/Kg
			Total VOC's:	130.00				
			Total TIC's:	6540.00				
			Total VOC's and TIC's:	6670.00				
Client ID:	**HC-9-12**							
P3704-15	HC-9-12	SOIL	p-Bromofluorobenzene	* 130	J	0	0	ug/Kg
[illegible]-15	HC-9-12	SOIL	Undecane, 3,6-dimethyl-	* 110	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	Octane, 2,3,7-trimethyl-	* 150	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	7-Tetradecene	* 84	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	Silane, tetra-2-propenyl-	* 120	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	Decane, 5-propyl-	* 120	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	1H-Indene, octahydro-2,2,4,4	* 210	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	Decahydro-4,4,8,9,10-pentam	* 140	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	Cyclopentane, 1-methyl-1-(2-	* 100	J	0	0	ug/Kg
P3704-15	HC-9-12	SOIL	Naphthalene, 2,3,6-trimethyl-	* 93	J	0	0	ug/Kg
			Total VOC's:	0.00				
			Total TIC's:	1257.00				
			Total VOC's and TIC's:	1257.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3704 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: VOC-TCL +10+MTBE+TBA

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	HC-9-12RE							
P3704-15RE	HC-9-12RE	SOIL	Undecane, 2,6-dimethyl-	* 130	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	Cyclohexane, 2-butyl-1,1,3-t	* 60	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	Octane, 2,3,7-trimethyl-	* 140	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	1-Tridecene	* 84	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	Dodecane, 2,6,10-trimethyl-	* 77	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	Tetratetracontane	* 61	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	1H-Indene, octahydro-2,2,4,4	* 160	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	1,6-Heptadiene, 2,5,5-trimet	* 64	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	Ethyl chrysanthemate	* 62	J	0	0	ug/Kg
P3704-15RE	HC-9-12RE	SOIL	Naphthalene, 1,6,7-trimethyl-	* 75	J	0	0	ug/Kg

Total VOC's:	0.00
Total TIC's:	913.00
Total VOC's and TIC's:	913.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-01	**Client ID:**	HC-4-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001844.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
2-Chlorophenol	< 0.2	U	10	0.2	ug/L
Phenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethyl)ether	< 0.3	U	10	0.3	ug/L
1,3-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
1,4-Dichlorobenzene	< 0.2	U	10	0.2	ug/L
1,2-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
thylphenol	< 1.5	U	10	1.5	ug/L
2,2'-oxybis(1-Chloropropane)	< 0.5	U	10	0.5	ug/L
3+4-Methylphenols	< 1.5	U	10	1.5	ug/L
Hexachloroethane	< 0.5	U	10	0.5	ug/L
N-Nitroso-di-n-propylamine	< 0.5	U	10	0.5	ug/L
Nitrobenzene	< 0.5	U	10	0.5	ug/L
Isophorone	< 0.6	U	10	0.6	ug/L
2-Nitrophenol	< 0.2	U	10	0.2	ug/L
2,4-Dimethylphenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethoxy)methane	< 0.5	U	10	0.5	ug/L
2,4-Dichlorophenol	< 0.2	U	10	0.2	ug/L
1,2,4-Trichlorobenzene	< 0.4	U	10	0.4	ug/L
Naphthalene	< 0.3	U	10	0.3	ug/L
4-Chloroaniline	< 0.3	U	10	0.3	ug/L
Hexachlorobutadiene	< 0.3	U	10	0.3	ug/L
4-Chloro-3-methylphenol	< 0.3	U	10	0.3	ug/L
2-Methylnaphthalene	< 0.7	U	10	0.7	ug/L
Hexachlorocyclopentadiene	< 0.1	U	10	0.1	ug/L
2,4,6-Trichlorophenol	< 0.2	U	10	0.2	ug/L
2,4,5-Trichlorophenol	< 1.2	U	10	1.2	ug/L
2-Chloronaphthalene	< 0.5	U	10	0.5	ug/L
oaniline	< 0.6	U	10	0.6	ug/L
Acenaphthylene	< 0.5	U	10	0.5	ug/L
Dimethylphthalate	< 0.5	U	10	0.5	ug/L
2,6-Dinitrotoluene	< 0.3	U	10	0.3	ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-01 **Client ID:** HC-4-02

Date Collected: 8/9/02
Date Analyzed: 8/22/02
Date Extracted: 8/16/02
Dilution: 1
Analytical Method: 625
Sample Wt/Vol: 1000.0
Injection Vol: 2
Associated Blank: PB081902-06B

Date Received: 8/10/02
Matrix: WATER
File ID: BA001844.D
Instrument ID: 5971A
Analytical Run ID: 1
Extract Vol: 1000
% Moisture: 100

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 0.8	U	10	0.8	ug/L
Acenaphthene	< 0.6	U	10	0.6	ug/L
2,4-Dinitrophenol	< 0.5	U	20	0.5	ug/L
4-Nitrophenol	< 0.6	U	20	0.6	ug/L
Dibenzofuran	< 0.5	U	10	0.5	ug/L
2,4-Dinitrotoluene	< 0.6	U	10	0.6	ug/L
Fluorene	< 0.5	U	10	0.5	ug/L
Diethylphthalate	< 0.5	U	10	0.5	ug/L
4-Chlorophenyl-phenylether	< 0.5	U	10	0.5	ug/L
4-Nitroaniline	< 0.7	U	10	0.7	ug/L
4,6-Dinitro-2-methylphenol	< 1.4	U	20	1.4	ug/L
N-Nitrosodiphenylamine	< 0.3	U	10	0.3	ug/L
4-Bromophenyl-phenylether	< 0.5	U	10	0.5	ug/L
Hexachlorobenzene	< 0.7	U	10	0.7	ug/L
Pentachlorophenol	< 0.8	U	20	0.8	ug/L
Phenanthrene	< 0.7	U	10	0.7	ug/L
Anthracene	< 0.6	U	10	0.6	ug/L
Carbazole	< 0.4	U	10	0.4	ug/L
Di-n-butylphthalate	< 0.5	U	10	0.5	ug/L
Fluoranthene	< 0.7	U	10	0.7	ug/L
Pyrene	< 0.4	U	10	0.4	ug/L
Butylbenzylphthalate	< 0.3	U	10	0.3	ug/L
Benzo(a)anthracene	< 0.3	U	10	0.3	ug/L
3,3'-Dichlorobenzidine	< 0.3	U	20	0.3	ug/L
Chrysene	< 0.5	U	10	0.5	ug/L
Bis(2-Ethylhexyl)phthalate	1.0	J	10	0.3	ug/L
Di-n-octyl phthalate	< 0.3	U	10	0.3	ug/L
Benzo(b)fluoranthene	< 1.2	U	10	1.2	ug/L
Benzo(k)fluoranthene	< 0.1	U	10	0.1	ug/L
Benzo(a)pyrene	< 0.7	U	10	0.7	ug/L
Indeno(1,2,3-cd)pyrene	< 0.6	U	10	0.6	ug/L

8/22/02

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-01	**Client ID:**	HC-4-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001844.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 0.8	U	10	0.8	ug/L
Benzo(g,h,i)perylene	< 1.0	U	10	1.0	ug/L
SURROGATES					
2-Fluorophenol	71.02	36 %	21 - 100		SPK: 200
Phenol-d5	57.3	29 %	10 - 94		SPK: 200
N[illegible]benzene-d5	161.84	81 %	35 - 114		SPK: 200
2[illegible]orobiphenyl	164.18	82 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	184.8	92 %	10 - 123		SPK: 200
Terphenyl-d14	165.84	83 %	33 - 141		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	100368	6.49			
Naphthalene-d8	369507	9.32			
Acenaphthene-d10	200422	13.65			
Phenanthrene-d10	362879	17.33			
Chrysene-d12	379944	24.04			
Perylene-d12	393779	27.41			
TENTITIVE IDENTIFIED COMPOUNDS					
Cyclohexane, 1-methyl-2-propyl-	3.5	J	4.36		ug/L
Caprolactam	16	J	10.31		ug/L
Naphthalene, 1,2,3,4-tetrahydro-6-r	3.2	J	11.18		ug/L
1H-Inden-1-one, 2,3-dihydro-3-met	3.4	J	11.34		ug/L
Benzene, (2-methyl-1-propenyl)-	3.5	J	11.59		ug/L
1H-Inden-1-one, 2,3-dihydro-3,3-d:	3.6	J	11.73		ug/L
Benzene, 1-pentenyl-	3.1	J	11.83		ug/L
Benzene, 1-ethenyl-2-methyl-	2.9	J	12.69		ug/L
3[illegible]ne, 1-(1-methylethenyl)-2-(1-	2.9	J	13.10		ug/L
U[illegible]own	6.6	J	13.95		ug/L
Unknown	2.4	J	14.52		ug/L
Dodecane, 2,6,11-trimethyl-	2.8	J	16.33		ug/L
Sulfur	31	J	20.21		ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-01	**Client ID:**	HC-4-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001844.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
2-Hydroxy-4-hydroxyaminopirimic	3.7	J	28.88		ug/L
Unknown	5.5	J	34.93		ug/L
Thiazole, 4,5-dimethyl-2-propyl-	3.1	J	35.73		ug/L
Unknown	2.4	J	35.88		ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-02	**Client ID:**	HC-4A-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001845.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
2-Chlorophenol	< 0.2	U	10	0.2	ug/L
Phenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethyl)ether	< 0.3	U	10	0.3	ug/L
1,3-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
1,4-Dichlorobenzene	< 0.2	U	10	0.2	ug/L
1,2-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
hylphenol	< 1.5	U	10	1.5	ug/L
2,2'-oxybis(1-Chloropropane)	< 0.5	U	10	0.5	ug/L
3+4-Methylphenols	< 1.5	U	10	1.5	ug/L
Hexachloroethane	< 0.5	U	10	0.5	ug/L
N-Nitroso-di-n-propylamine	< 0.5	U	10	0.5	ug/L
Nitrobenzene	< 0.5	U	10	0.5	ug/L
sophorone	< 0.6	U	10	0.6	ug/L
2-Nitrophenol	< 0.2	U	10	0.2	ug/L
2,4-Dimethylphenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethoxy)methane	< 0.5	U	10	0.5	ug/L
2,4-Dichlorophenol	< 0.2	U	10	0.2	ug/L
,2,4-Trichlorobenzene	< 0.4	U	10	0.4	ug/L
Naphthalene	< 0.3	U	10	0.3	ug/L
-Chloroaniline	< 0.3	U	10	0.3	ug/L
Hexachlorobutadiene	< 0.3	U	10	0.3	ug/L
-Chloro-3-methylphenol	< 0.3	U	10	0.3	ug/L
-Methylnaphthalene	< 0.7	U	10	0.7	ug/L
Hexachlorocyclopentadiene	< 0.1	U	10	0.1	ug/L
,4,6-Trichlorophenol	< 0.2	U	10	0.2	ug/L
,4,5-Trichlorophenol	< 1.2	U	10	1.2	ug/L
-Chloronaphthalene	< 0.5	U	10	0.5	ug/L
aniline	< 0.6	U	10	0.6	ug/L
enaphthylene	< 0.5	U	10	0.5	ug/L
imethylphthalate	< 0.5	U	10	0.5	ug/L
6-Dinitrotoluene	< 0.3	U	10	0.3	ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-02 **Client ID:** HC-4A-02

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/22/02 **Matrix:** WATER
Date Extracted: 8/16/02 **File ID:** BA001845.D
Dilution: 1 **Instrument ID:** 5971A
Analytical Method: 625 **Analytical Run ID:** 1
Sample Wt/Wol: 1000.0 **Extract Vol:** 1000
Injection Vol: 2 **% Moisture:** 100
Associated Blank: PB081902-06B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 0.8	U	10	0.8	ug/L
Acenaphthene	< 0.6	U	10	0.6	ug/L
2,4-Dinitrophenol	< 0.5	U	20	0.5	ug/L
4-Nitrophenol	< 0.6	U	20	0.6	ug/L
Dibenzofuran	< 0.5	U	10	0.5	ug/L
2,4-Dinitrotoluene	< 0.6	U	10	0.6	ug/L
Fluorene	< 0.5	U	10	0.5	ug/L
Diethylphthalate	< 0.5	U	10	0.5	ug/L
4-Chlorophenyl-phenylether	< 0.5	U	10	0.5	ug/L
4-Nitroaniline	< 0.7	U	10	0.7	ug/L
4,6-Dinitro-2-methylphenol	< 1.4	U	20	1.4	ug/L
N-Nitrosodiphenylamine	< 0.3	U	10	0.3	ug/L
4-Bromophenyl-phenylether	< 0.5	U	10	0.5	ug/L
Hexachlorobenzene	< 0.7	U	10	0.7	ug/L
Pentachlorophenol	< 0.8	U	20	0.8	ug/L
Phenanthrene	< 0.7	U	10	0.7	ug/L
Anthracene	< 0.6	U	10	0.6	ug/L
Carbazole	< 0.4	U	10	0.4	ug/L
Di-n-butylphthalate	< 0.5	U	10	0.5	ug/L
Fluoranthene	< 0.7	U	10	0.7	ug/L
Pyrene	< 0.4	U	10	0.4	ug/L
Butylbenzylphthalate	< 0.3	U	10	0.3	ug/L
Benzo(a)anthracene	< 0.3	U	10	0.3	ug/L
3,3'-Dichlorobenzidine	< 0.3	U	20	0.3	ug/L
Chrysene	< 0.5	U	10	0.5	ug/L
Bis(2-Ethylhexyl)phthalate	0.840	J	10	0.3	ug/L
Di-n-octyl phthalate	< 0.3	U	10	0.3	ug/L
Benzo(b)fluoranthene	< 1.2	U	10	1.2	ug/L
Benzo(k)fluoranthene	< 0.1	U	10	0.1	ug/L
Benzo(a)pyrene	< 0.7	U	10	0.7	ug/L
Indéno(1,2,3-cd)pyrene	< 0.6	U	10	0.6	ug/L

8/22/02

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-02	**Client ID:**	HC-4A-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001845.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Vol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 0.8	U	10	0.8	ug/L
Benzo(g,h,i)perylene	< 1.0	U	10	1.0	ug/L
SURROGATES					
2-Fluorophenol	50.76	25 %	21 - 100		SPK: 200
Phenol-d5	46.66	23 %	10 - 94		SPK: 200
[illegible]benzene-d5	146.48	73 %	35 - 114		SPK: 200
[illegible]uorobiphenyl	148.31	74 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	153.56	77 %	10 - 123		SPK: 200
Terphenyl-d14	142.08	71 %	33 - 141		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	94801	6.49			
Naphthalene-d8	357703	9.32			
Acenaphthene-d10	192076	13.65			
Phenanthrene-d10	360557	17.33			
Chrysene-d12	381397	24.04			
Perylene-d12	388316	27.40			
TENTITIVE IDENTIFIED COMPOUNDS					
3,5-Dimethyl-1-hexene	3.0	J	4.36		ug/L
1H-Indene, octahydro-	2.4	J	8.45		ug/L
Caprolactam	18	J	10.32		ug/L
2-Propyn-1-ol, 3-(4-methylphenyl)-	3.3	J	11.19		ug/L
Benzene, (2-methyl-1-methylenepr	3.2	J	11.35		ug/L
Unknown	3.6	J	11.59		ug/L
1H-Inden-1-one, 2,3-dihydro-3,3-d	3.3	J	11.73		ug/L
Benzeneacetaldehyde, .alpha.-ethyl	2.7	J	11.83		ug/L
D[illegible]cane, 2,6,10-trimethyl-	2.3	J	12.15		ug/L
[illegible]ne, 2-propenyl-	2.5	J	12.69		ug/L
Unknown	2.5	J	13.10		ug/L
Unknown	3.8	J	13.95		ug/L
Unknown	2.1	J	14.51		ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-02	**Client ID:**	HC-4A-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001845.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Pentadecane, 2,6,10,14-tetramethyl	2.6	J	16.33		ug/L
Sulfur	22	J	20.20		ug/L
4-Hydroxy-2-hydroxyaminopyrimi	4.1	J	28.88		ug/L
Anthracene, 9-dodecyltetradecahyd	5.2	J	34.93		ug/L
1H-Imidazole, 1-methyl-4-nitro-	5.8	J	35.76		ug/L
Unknown	4.6	J	35.81		ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-03	**Client ID:**	HC-5-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001843.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	990.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
2-Chlorophenol	< 0.2	U	10	0.2	ug/L
Phenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethyl)ether	< 0.3	U	10	0.3	ug/L
1,3-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
1,4-Dichlorobenzene	< 0.2	U	10	0.2	ug/L
1,2-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
thylphenol	< 1.5	U	10	1.5	ug/L
2,2'-oxybis(1-Chloropropane)	< 0.6	U	10	0.6	ug/L
3+4-Methylphenols	< 1.5	U	10	1.5	ug/L
Hexachloroethane	< 0.5	U	10	0.5	ug/L
N-Nitroso-di-n-propylamine	< 0.5	U	10	0.5	ug/L
Nitrobenzene	< 0.5	U	10	0.5	ug/L
Isophorone	< 0.6	U	10	0.6	ug/L
2-Nitrophenol	< 0.2	U	10	0.2	ug/L
2,4-Dimethylphenol	< 0.3	U	10	0.3	ug/L
bis(2-Chloroethoxy)methane	< 0.5	U	10	0.5	ug/L
2,4-Dichlorophenol	< 0.2	U	10	0.2	ug/L
1,2,4-Trichlorobenzene	< 0.4	U	10	0.4	ug/L
Naphthalene	< 0.3	U	10	0.3	ug/L
4-Chloroaniline	< 0.3	U	10	0.3	ug/L
Hexachlorobutadiene	< 0.3	U	10	0.3	ug/L
4-Chloro-3-methylphenol	< 0.3	U	10	0.3	ug/L
2-Methylnaphthalene	< 0.7	U	10	0.7	ug/L
Hexachlorocyclopentadiene	< 0.1	U	10	0.1	ug/L
2,4,6-Trichlorophenol	< 0.2	U	10	0.2	ug/L
2,4,5-Trichlorophenol	< 1.2	U	10	1.2	ug/L
2-Chloronaphthalene	< 0.5	U	10	0.5	ug/L
oaniline	< 0.6	U	10	0.6	ug/L
Acenaphthylene	< 0.5	U	10	0.5	ug/L
Dimethylphthalate	< 0.5	U	10	0.5	ug/L
2,6-Dinitrotoluene	< 0.3	U	10	0.3	ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-03 **Client ID:** HC-5-02

Date Collected: 8/9/02
Date Analyzed: 8/22/02
Date Extracted: 8/16/02
Dilution: 1
Analytical Method: 625
Sample Wt/Wol: 990.0
Injection Vol: 2
Associated Blank: PB081902-06B

Date Received: 8/10/02
Matrix: WATER
File ID: BA001843.D
Instrument ID: 5971A
Analytical Run ID: 1
Extract Vol: 1000
% Moisture: 100

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 0.8	U	10	0.8	ug/L
Acenaphthene	< 0.6	U	10	0.6	ug/L
2,4-Dinitrophenol	< 0.5	U	20	0.5	ug/L
4-Nitrophenol	< 0.6	U	20	0.6	ug/L
Dibenzofuran	< 0.5	U	10	0.5	ug/L
2,4-Dinitrotoluene	< 0.6	U	10	0.6	ug/L
Fluorene	< 0.5	U	10	0.5	ug/L
Diethylphthalate	< 0.5	U	10	0.5	ug/L
4-Chlorophenyl-phenylether	< 0.5	U	10	0.5	ug/L
4-Nitroaniline	< 0.7	U	10	0.7	ug/L
4,6-Dinitro-2-methylphenol	< 1.4	U	20	1.4	ug/L
N-Nitrosodiphenylamine	< 0.4	U	10	0.4	ug/L
4-Bromophenyl-phenylether	< 0.5	U	10	0.5	ug/L
Hexachlorobenzene	< 0.7	U	10	0.7	ug/L
Pentachlorophenol	< 0.8	U	20	0.8	ug/L
Phenanthrene	< 0.7	U	10	0.7	ug/L
Anthracene	< 0.6	U	10	0.6	ug/L
Carbazole	< 0.4	U	10	0.4	ug/L
Di-n-butylphthalate	< 0.5	U	10	0.5	ug/L
Fluoranthene	< 0.7	U	10	0.7	ug/L
Pyrene	< 0.4	U	10	0.4	ug/L
Butylbenzylphthalate	< 0.3	U	10	0.3	ug/L
Benzo(a)anthracene	< 0.3	U	10	0.3	ug/L
3,3'-Dichlorobenzidine	< 0.3	U	20	0.3	ug/L
Chrysene	< 0.5	U	10	0.5	ug/L
bis(2-Ethylhexyl)phthalate	0.950	J	10	0.3	ug/L
Di-n-octyl phthalate	< 0.3	U	10	0.3	ug/L
Benzo(b)fluoranthene	< 1.3	U	10	1.3	ug/L
Benzo(k)fluoranthene	< 0.1	U	10	0.1	ug/L
Benzo(a)pyrene	< 0.7	U	10	0.7	ug/L
ndeno(1,2,3-cd)pyrene	< 0.6	U	10	0.6	ug/L

8/22/02

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-03	**Client ID:**	HC-5-02
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001843.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Vol:	990.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 0.8	U	10	0.8	ug/L
Benzo(g,h,i)perylene	< 1.0	U	10	1.0	ug/L
SURROGATES					
2-Fluorophenol	74.81	37 %	21 - 100		SPK: 200
Phenol-d5	61.23	31 %	10 - 94		SPK: 200
Nitrobenzene-d5	156.29	78 %	35 - 114		SPK: 200
2-Fluorobiphenyl	152.22	76 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	177.37	89 %	10 - 123		SPK: 200
Terphenyl-d14	152.65	76 %	33 - 141		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	84947	6.49			
Naphthalene-d8	316654	9.32			
Acenaphthene-d10	170008	13.65			
Phenanthrene-d10	307475	17.32			
Chrysene-d12	315375	24.04			
Perylene-d12	327850	27.40			
TENTITIVE IDENTIFIED COMPOUNDS					
ACP	6.1	A	4.13		ug/L
Caprolactam	12	J	10.31		ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-04 **Client ID:** HC-8

Date Collected: 8/9/02
Date Analyzed: 8/22/02
Date Extracted: 8/16/02
Dilution: 1
Analytical Method: 625
Sample Wt/Wol: 1000.0
Injection Vol: 2
Associated Blank: PB081902-06B

Date Received: 8/10/02
Matrix: WATER
File ID: BA001842.D
Instrument ID: 5971A
Analytical Run ID: 1
Extract Vol: 1000
% Moisture: 100

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
2-Chlorophenol	< 0.2	U	10	0.2	ug/L
Phenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethyl)ether	< 0.3	U	10	0.3	ug/L
1,3-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
1,4-Dichlorobenzene	< 0.2	U	10	0.2	ug/L
1,2-Dichlorobenzene	< 0.4	U	10	0.4	ug/L
2-Methylphenol	< 1.5	U	10	1.5	ug/L
2,2'-oxybis(1-Chloropropane)	< 0.5	U	10	0.5	ug/L
3+4-Methylphenols	< 1.5	U	10	1.5	ug/L
Hexachloroethane	< 0.5	U	10	0.5	ug/L
N-Nitroso-di-n-propylamine	< 0.5	U	10	0.5	ug/L
Nitrobenzene	< 0.5	U	10	0.5	ug/L
sophorone	< 0.6	U	10	0.6	ug/L
2-Nitrophenol	< 0.2	U	10	0.2	ug/L
2,4-Dimethylphenol	< 0.2	U	10	0.2	ug/L
bis(2-Chloroethoxy)methane	< 0.5	U	10	0.5	ug/L
2,4-Dichlorophenol	< 0.2	U	10	0.2	ug/L
,2,4-Trichlorobenzene	< 0.4	U	10	0.4	ug/L
Naphthalene	0.480	J	10	0.3	ug/L
-Chloroaniline	< 0.3	U	10	0.3	ug/L
Hexachlorobutadiene	< 0.3	U	10	0.3	ug/L
-Chloro-3-methylphenol	< 0.3	U	10	0.3	ug/L
-Methylnaphthalene	12		10	0.7	ug/L
Hexachlorocyclopentadiene	< 0.1	U	10	0.1	ug/L
,4,6-Trichlorophenol	< 0.2	U	10	0.2	ug/L
,4,5-Trichlorophenol	< 1.2	U	10	1.2	ug/L
-Chloronaphthalene	< 0.5	U	10	0.5	ug/L
-Nitroaniline	< 0.6	U	10	0.6	ug/L
cenaphthylene	0.500	J	10	0.5	ug/L
imethylphthalate	< 0.5	U	10	0.5	ug/L
,6-Dinitrotoluene	< 0.3	U	10	0.3	ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-04	**Client ID:**	HC-8
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001842.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 0.8	U	10	0.8	ug/L
Acenaphthene	0.820	J	10	0.6	ug/L
2,4-Dinitrophenol	< 0.5	U	20	0.5	ug/L
4-Nitrophenol	< 0.6	U	20	0.6	ug/L
Dibenzofuran	1.3	J	10	0.5	ug/L
2,4-Dinitrotoluene	< 0.6	U	10	0.6	ug/L
ene	2.0	J	10	0.5	ug/L
Diethylphthalate	1.5	J	10	0.5	ug/L
4-Chlorophenyl-phenylether	< 0.5	U	10	0.5	ug/L
4-Nitroaniline	< 0.7	U	10	0.7	ug/L
4,6-Dinitro-2-methylphenol	< 1.4	U	20	1.4	ug/L
N-Nitrosodiphenylamine	< 0.3	U	10	0.3	ug/L
4-Bromophenyl-phenylether	< 0.5	U	10	0.5	ug/L
Hexachlorobenzene	< 0.7	U	10	0.7	ug/L
Pentachlorophenol	< 0.8	U	20	0.8	ug/L
Phenanthrene	2.0	J	10	0.7	ug/L
Anthracene	< 0.6	U	10	0.6	ug/L
Carbazole	0.420	J	10	0.4	ug/L
Di-n-butylphthalate	1.1	J	10	0.5	ug/L
Fluoranthene	< 0.7	U	10	0.7	ug/L
Pyrene	< 0.4	U	10	0.4	ug/L
Butylbenzylphthalate	< 0.3	U	10	0.3	ug/L
Benzo(a)anthracene	< 0.3	U	10	0.3	ug/L
3,3'-Dichlorobenzidine	< 0.3	U	20	0.3	ug/L
Chrysene	< 0.5	U	10	0.5	ug/L
bis(2-Ethylhexyl)phthalate	0.870	J	10	0.3	ug/L
Di-n-octyl phthalate	< 0.3	U	10	0.3	ug/L
(b)fluoranthene	< 1.2	U	10	1.2	ug/L
Benzo(k)fluoranthene	< 0.1	U	10	0.1	ug/L
Benzo(a)pyrene	< 0.7	U	10	0.7	ug/L
Indeno(1,2,3-cd)pyrene	< 0.6	U	10	0.6	ug/L

8/22/02

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-04 **Client ID:** HC-8

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/22/02 **Matrix:** WATER
Date Extracted: 8/16/02 **File ID:** BA001842.D
Dilution: 1 **Instrument ID:** 5971A
Analytical Method: 625 **Analytical Run ID:** 1
Sample Wt/Wol: 1000.0 **Extract Vol:** 1000
Injection Vol: 2 **% Moisture:** 100
Associated Blank: PB081902-06B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 0.8	U	10	0.8	ug/L
Benzo(g,h,i)perylene	< 1.0	U	10	1.0	ug/L
SURROGATES					
2-Fluorophenol	72.11	36 %	21 - 100		SPK: 200
Phenol-d5	44.99	22 %	10 - 94		SPK: 200
Nitrobenzene-d5	168.05	84 %	35 - 114		SPK: 200
2-Fluorobiphenyl	168.56	84 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	200.18	100 %	10 - 123		SPK: 200
Terphenyl-d14	165.02	83 %	33 - 141		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	84395	6.49			
Naphthalene-d8	317087	9.32			
Acenaphthene-d10	164329	13.66			
Phenanthrene-d10	301858	17.32			
Chrysene-d12	310257	24.03			
Perylene-d12	309702	27.40			
TENTITIVE IDENTIFIED COMPOUNDS					
Undecane, 2,6-dimethyl-	6.1	J	9.79		ug/L
Dodecane, 2,6,10-trimethyl-	8.1	J	12.15		ug/L
Naphthalene, 1,2-dimethyl-	5.8	J	12.47		ug/L
Naphthalene, 1,6-dimethyl-	11	J	12.63		ug/L
Naphthalene, 1,7-dimethyl-	13	J	12.84		ug/L
Ethanone, 1,1-(1,4-phenylene)bis-	11	J	12.94		ug/L
Naphthalene, 1,3-dimethyl-	8.5	J	13.11		ug/L
,2-Benzenediacetonitrile	8.3	J	13.16		ug/L
,4-Dimethoxybenzonitrile	7.4	J	13.52		ug/L
Phenol, 2,5-bis(1,1-dimethylethyl)-	6.0	J	13.99		ug/L
Naphthalene, 1,6,7-trimethyl-	7.4	J	14.32		ug/L
Diethyltoluamide	13	J	14.87		ug/L
Pentadecane, 2,6,10,14-tetramethyl	13	J	16.33		ug/L

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-04	**Client ID:**	HC-8
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	WATER
Date Extracted:	8/16/02	**File ID:**	BA001842.D
Dilution:	1	**Instrument ID:**	5971A
Analytical Method:	625	**Analytical Run ID:**	1
Sample Wt/Wol:	1000.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB081902-06B		

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
2H-Imidazo[4,5-b]pyridin-2-one, 1	6.5	J	16.41		ug/L
Phenol, nonyl-	8.7	J	16.50		ug/L
Phenol, 4-(2,2,4-trimethylpentyl)-	6.0	J	16.58		ug/L
1-(6-Methyl-2-pyridyl)propan-2-on	8.3	J	16.84		ug/L

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Hit Summary Report

SDG No.: P3704-01 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	HC-4-02							
P3704-01	HC-4-02	WATER	bis(2-Ethylhexyl)phthalate	1.0	J	10	0.3	ug/L
P3704-01	HC-4-02	WATER	Cyclohexane, 1-methyl-2-prop	* 3.5	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Caprolactam	* 16	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Naphthalene, 1,2,3,4-tetrahydr	* 3.2	J	0	0	ug/L
P3704-01	HC-4-02	WATER	1H-Inden-1-one, 2,3-dihydro-3	* 3.4	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Benzene, (2-methyl-1-propeny	* 3.5	J	0	0	ug/L
P3704-01	HC-4-02	WATER	1H-Inden-1-one, 2,3-dihydro-3	* 3.6	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Benzene, 1-pentenyl-	* 3.1	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Benzene, 1-ethenyl-2-methyl-	* 2.9	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Benzene, 1-(1-methylethenyl)-	* 2.9	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Unknown	* 6.6	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Unknown	* 2.4	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Dodecane, 2,6,11-trimethyl-	* 2.8	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Sulfur	* 31	J	0	0	ug/L
P3704-01	HC-4-02	WATER	2-Hydroxy-4-hydroxyaminopi	* 3.7	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Unknown	* 5.5	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Thiazole, 4,5-dimethyl-2-propy	* 3.1	J	0	0	ug/L
P3704-01	HC-4-02	WATER	Unknown	* 2.4	J	0	0	ug/L

Total SVOC's:	1.00
Total TIC's:	99.60
Total SVOC's and TIC's:	100.60

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3704-01 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**HC-4A-02**							
P3704-02	HC-4A-02	WATER	bis(2-Ethylhexyl)phthalate	0.840	J	10	0.3	ug/L
P3704-02	HC-4A-02	WATER	3,5-Dimethyl-1-hexene	* 3.0	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	1H-Indene, octahydro-	* 2.4	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Caprolactam	* 18	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	2-Propyn-1-ol, 3-(4-methylphe	* 3.3	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Benzene, (2-methyl-1-methyle	* 3.2	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Unknown	* 3.6	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	1H-Inden-1-one, 2,3-dihydro-3	* 3.3	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Benzeneacetaldehyde, .alpha.-(	* 2.7	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Dodecane, 2,6,10-trimethyl-	* 2.3	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Benzene, 2-propenyl-	* 2.5	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Unknown	* 2.5	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Unknown	* 3.8	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Unknown	* 2.1	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Pentadecane, 2,6,10,14-tetram	* 2.6	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Sulfur	* 22	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	4-Hydroxy-2-hydroxyaminopy	* 4.1	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Anthracene, 9-dodecyltetradec	* 5.2	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	1H-Imidazole, 1-methyl-4-nitr	* 5.8	J	0	0	ug/L
P3704-02	HC-4A-02	WATER	Unknown	* 4.6	J	0	0	ug/L
			Total SVOC's:	**0.84**				
			Total TIC's:	**97.00**				
			Total SVOC's and TIC's:	**97.84**				
Client ID:	**HC-5-02**							
P3704-03	HC-5-02	WATER	bis(2-Ethylhexyl)phthalate	0.950	J	10	0.3	ug/L
P3704-03	HC-5-02	WATER	ACP	* 6.1	A	0	0	ug/L
P3704-03	HC-5-02	WATER	Caprolactam	* 12	J	0	0	ug/L
			Total SVOC's:	**0.95**				
			Total TIC's:	**18.10**				
			Total SVOC's and TIC's:	**19.05**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Hit Summary Report

SDG No.: P3704-01 **Order ID:** P3704

Client: Holt Consulting **Project ID:** RIVERSIDE TECH PARK

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	HC-8							
P3704-04	HC-8	WATER	Naphthalene	0.480	J	10	0.3	ug/L
P3704-04	HC-8	WATER	2-Methylnaphthalene	12		10	0.7	ug/L
P3704-04	HC-8	WATER	Acenaphthylene	0.500	J	10	0.5	ug/L
P3704-04	HC-8	WATER	Acenaphthene	0.820	J	10	0.6	ug/L
P3704-04	HC-8	WATER	Dibenzofuran	1.3	J	10	0.5	ug/L
P3704-04	HC-8	WATER	Fluorene	2.0	J	10	0.5	ug/L
P3704-04	HC-8	WATER	Diethylphthalate	1.5	J	10	0.5	ug/L
P3704-04	HC-8	WATER	Phenanthrene	2.0	J	10	0.7	ug/L
P3704-04	HC-8	WATER	Carbazole	0.420	J	10	0.4	ug/L
P3704-04	HC-8	WATER	Di-n-butylphthalate	1.1	J	10	0.5	ug/L
P3704-04	HC-8	WATER	bis(2-Ethylhexyl)phthalate	0.870	J	10	0.3	ug/L
P3704-04	HC-8	WATER	Undecane, 2,6-dimethyl-	* 6.1	J	0	0	ug/L
P3704-04	HC-8	WATER	Dodecane, 2,6,10-trimethyl-	* 8.1	J	0	0	ug/L
P3704-04	HC-8	WATER	Naphthalene, 1,2-dimethyl-	* 5.8	J	0	0	ug/L
P3704-04	HC-8	WATER	Naphthalene, 1,6-dimethyl-	* 11	J	0	0	ug/L
P3704-04	HC-8	WATER	Naphthalene, 1,7-dimethyl-	* 13	J	0	0	ug/L
P3704-04	HC-8	WATER	Ethanone, 1,1-(1,4-phenylene)	* 11	J	0	0	ug/L
P3704-04	HC-8	WATER	Naphthalene, 1,3-dimethyl-	* 8.5	J	0	0	ug/L
P3704-04	HC-8	WATER	1,2-Benzenediacetonitrile	* 8.3	J	0	0	ug/L
P3704-04	HC-8	WATER	3,4-Dimethoxybenzonitrile	* 7.4	J	0	0	ug/L
P3704-04	HC-8	WATER	Phenol, 2,5-bis(1,1-dimethylet	* 6.0	J	0	0	ug/L
P3704-04	HC-8	WATER	Naphthalene, 1,6,7-trimethyl-	* 7.4	J	0	0	ug/L
P3704-04	HC-8	WATER	Diethyltoluamide	* 13	J	0	0	ug/L
P3704-04	HC-8	WATER	Pentadecane, 2,6,10,14-tetram	* 13	J	0	0	ug/L
P3704-04	HC-8	WATER	2H-Imidazo[4,5-b]pyridin-2-o	* 6.5	J	0	0	ug/L
P3704-04	HC-8	WATER	Phenol, nonyl-	* 8.7	J	0	0	ug/L
P3704-04	HC-8	WATER	Phenol, 4-(2,2,4-trimethylpent	* 6.0	J	0	0	ug/L
P3704-04	HC-8	WATER	1-(6-Methyl-2-pyridyl)propan-	* 8.3	J	0	0	ug/L
			Total SVOC's:	**22.99**				
			Total TIC's:	**148.10**				
			Total SVOC's and TIC's:	**171.09**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09	Client ID:	FS-2A
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BC002375.D
Dilution:	1	Instrument ID:	5970C
Analytical Method:	8270	Analytical Run ID:	BC082102
Sample Wt/Vol:	30.3	Extract Vol:	1000
Injection Vol:	2	% Moisture:	11
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 37	U	370	37	ug/Kg
bis(2-Chloroethyl)ether	< 43	U	370	43	ug/Kg
2-Chlorophenol	< 40	U	370	40	ug/Kg
1,2-Dichlorobenzene	< 37	U	370	37	ug/Kg
1,3-Dichlorobenzene	< 43	U	370	43	ug/Kg
1,4-Dichlorobenzene	< 37	U	370	37	ug/Kg
2-Methylphenol	< 37	U	370	37	ug/Kg
2,2'-oxybis(1-chloropropane)	< 37	U	370	37	ug/Kg
3+4-Methylphenols	< 66	U	370	66	ug/Kg
N-Nitroso-di-n-propylamine	< 37	U	370	37	ug/Kg
Hexachloroethane	< 40	U	370	40	ug/Kg
Nitrobenzene	< 37	U	370	37	ug/Kg
Isophorone	< 37	U	370	37	ug/Kg
2-Nitrophenol	< 40	U	370	40	ug/Kg
2,4-Dimethylphenol	< 84	U	370	84	ug/Kg
bis(2-Chloroethoxy)methane	< 37	U	370	37	ug/Kg
2,4-Dichlorophenol	< 48	U	370	48	ug/Kg
1,2,4-Trichlorobenzene	< 43	U	370	43	ug/Kg
Naphthalene	< 43	U	370	43	ug/Kg
4-Chloroaniline	< 43	U	370	43	ug/Kg
Hexachlorobutadiene	< 55	U	370	55	ug/Kg
4-Chloro-3-methylphenol	< 40	U	370	40	ug/Kg
2-Methylnaphthalene	< 43	U	370	43	ug/Kg
Hexachlorocyclopentadiene	< 140	U	370	140	ug/Kg
2,4,6-Trichlorophenol	< 37	U	370	37	ug/Kg
2,4,5-Trichlorophenol	< 37	U	920	37	ug/Kg
2-Chloronaphthalene	< 43	U	370	43	ug/Kg
2-Nitroaniline	< 37	U	920	37	ug/Kg
Dimethylphthalate	< 37	U	370	37	ug/Kg
Acenaphthylene	< 43	U	370	43	ug/Kg
2,6-Dinitrotoluene	< 37	U	370	37	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09	**Client ID:**	FS-2A
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002375.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 43	U	920	43	ug/Kg
Acenaphthene	< 43	U	370	43	ug/Kg
2,4-Dinitrophenol	< 73	U	920	73	ug/Kg
4-Nitrophenol	< 40	U	920	40	ug/Kg
Dibenzofuran	< 37	U	370	37	ug/Kg
2,4-Dinitrotoluene	< 40	U	370	40	ug/Kg
Diethylphthalate	< 37	U	370	37	ug/Kg
4-Chlorophenyl-phenylether	< 43	U	370	43	ug/Kg
Fluorene	< 40	U	370	40	ug/Kg
4-Nitroaniline	< 88	U	920	88	ug/Kg
4,6-Dinitro-2-methylphenol	< 43	U	920	43	ug/Kg
N-Nitrosodiphenylamine	< 73	U	370	73	ug/Kg
4-Bromophenyl-phenylether	< 48	U	370	48	ug/Kg
Hexachlorobenzene	< 40	U	370	40	ug/Kg
Pentachlorophenol	< 70	U	920	70	ug/Kg
Phenanthrene	37	J	370	37	ug/Kg
Anthracene	< 48	U	370	48	ug/Kg
Carbazole	< 15	U	370	15	ug/Kg
Di-n-butylphthalate	< 43	U	370	43	ug/Kg
Fluoranthene	51	J	370	37	ug/Kg
Pyrene	50	J	370	37	ug/Kg
Butylbenzylphthalate	< 37	U	370	37	ug/Kg
3,3'-Dichlorobenzidine	< 37	U	370	37	ug/Kg
Benzo(a)anthracene	< 37	U	370	37	ug/Kg
Chrysene	< 59	U	370	59	ug/Kg
Bis(2-Ethylhexyl)phthalate	120	J	370	37	ug/Kg
Di-n-octyl phthalate	< 55	U	370	55	ug/Kg
Benzo(b)fluoranthene	< 37	U	370	37	ug/Kg
Benzo(k)fluoranthene	< 95	U	370	95	ug/Kg
Benzo(a)pyrene	< 55	U	370	55	ug/Kg
Indeno(1,2,3-cd)pyrene	< 59	U	370	59	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09	**Client ID:**	FS-2A
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002375.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 55	U	370	55	ug/Kg
Benzo(g,h,i)perylene	< 48	U	370	48	ug/Kg
SURROGATES					
2-Fluorophenol	68.09	23 %	25 - 121		SPK: 300
Phenol-d5	71.32	24 %	24 - 113		SPK: 300
Nitrobenzene-d5	125.2	63 %	23 - 120		SPK: 200
[illegible]robiphenyl	112.91	56 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	159.91	53 %	19 - 122		SPK: 300
Terphenyl-d14	118.46	59 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	113982	7.35			
Naphthalene-d8	130830	9.27			
Acenaphthene-d10	82543	12.51			
Phenanthrene-d10	186419	15.28			
Chrysene-d12	224572	20.29			
Perylene-d12	164196	23.36			
TENTITIVE IDENTIFIED COMPOUNDS					
UCP	790	A	4.43		ug/Kg
UCP	7600	A	4.82		ug/Kg
1,7-Methano-1H-inden-1-ol, octahy	880	J	8.58		ug/Kg
Cyclododecene	1200	J	9.21		ug/Kg
Undecane, 2,5-dimethyl-	820	J	9.35		ug/Kg
Cyclohexane, 2-butyl-1,1,3-trimeth	1100	J	9.60		ug/Kg
Unknown	1100	J	9.74		ug/Kg
Nonane, 3-methyl-	2400	J	10.02		ug/Kg
Cyclopentane, 1-butyl-2-pentyl-	1300	J	10.21		ug/Kg
[illegible]ane	1000	J	10.33		ug/Kg
Unknown	1200	J	10.44		ug/Kg
Nonane, 2-methyl-	950	J	10.51		ug/Kg
Silanol, trimethyl-, benzoate	940	J	10.57		ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09	**Client ID:**	FS-2A
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002375.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Cyclohexane, 2,4-diethyl-1-methyl-	1500	J	10.65		ug/Kg
Acetamide, N-methyl-N-[4-[4-meth	1200	J	10.86		ug/Kg
Decahydro-4,4,8,9,10-pentamethyl	1100	J	11.91		ug/Kg
Hexatriacontane	1500	J	11.98		ug/Kg
Pentadecane, 2,6,10,14-tetramethyl	1600	J	14.22		ug/Kg
Hexadecane, 2,6,10,14-tetramethyl-	810	J	15.09		ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09RE	**Client ID:**	FS-2ARE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002437.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 180	U	1800	180	ug/Kg
bis(2-Chloroethyl)ether	< 220	U	1800	220	ug/Kg
2-Chlorophenol	< 200	U	1800	200	ug/Kg
1,2-Dichlorobenzene	< 180	U	1800	180	ug/Kg
1,3-Dichlorobenzene	< 220	U	1800	220	ug/Kg
1,4-Dichlorobenzene	< 180	U	1800	180	ug/Kg
[redacted]thylphenol	< 180	U	1800	180	ug/Kg
[redacted]oxybis(1-chloropropane)	< 180	U	1800	180	ug/Kg
3+4-Methylphenols	< 330	U	1800	330	ug/Kg
N-Nitroso-di-n-propylamine	< 180	U	1800	180	ug/Kg
Hexachloroethane	< 200	U	1800	200	ug/Kg
Nitrobenzene	< 180	U	1800	180	ug/Kg
Isophorone	< 180	U	1800	180	ug/Kg
2-Nitrophenol	< 200	U	1800	200	ug/Kg
2,4-Dimethylphenol	< 420	U	1800	420	ug/Kg
bis(2-Chloroethoxy)methane	< 180	U	1800	180	ug/Kg
2,4-Dichlorophenol	< 240	U	1800	240	ug/Kg
1,2,4-Trichlorobenzene	< 220	U	1800	220	ug/Kg
Naphthalene	< 220	U	1800	220	ug/Kg
4-Chloroaniline	< 220	U	1800	220	ug/Kg
Hexachlorobutadiene	< 280	U	1800	280	ug/Kg
4-Chloro-3-methylphenol	< 200	U	1800	200	ug/Kg
2-Methylnaphthalene	< 220	U	1800	220	ug/Kg
Hexachlorocyclopentadiene	< 700	U	1800	700	ug/Kg
2,4,6-Trichlorophenol	< 180	U	1800	180	ug/Kg
2,4,5-Trichlorophenol	< 180	U	4600	180	ug/Kg
2-Chloronaphthalene	< 220	U	1800	220	ug/Kg
2-Nitroaniline	< 180	U	4600	180	ug/Kg
[redacted]ylphthalate	< 180	U	1800	180	ug/Kg
Acenaphthylene	< 220	U	1800	220	ug/Kg
2,6-Dinitrotoluene	< 180	U	1800	180	ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09RE	**Client ID:**	FS-2ARE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002437.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 220	U	4600	220	ug/Kg
Acenaphthene	< 220	U	1800	220	ug/Kg
2,4-Dinitrophenol	< 370	U	4600	370	ug/Kg
4-Nitrophenol	< 200	U	4600	200	ug/Kg
Dibenzofuran	< 180	U	1800	180	ug/Kg
2,4-Dinitrotoluene	< 200	U	1800	200	ug/Kg
Diethylphthalate	< 180	U	1800	180	ug/Kg
4-Chlorophenyl-phénylether	< 220	U	1800	220	ug/Kg
Fluorene	< 200	U	1800	200	ug/Kg
4-Nitroaniline	< 440	U	4600	440	ug/Kg
4,6-Dinitro-2-methylphenol	< 220	U	4600	220	ug/Kg
N-Nitrosodiphenylamine	< 370	U	1800	370	ug/Kg
4-Bromophenyl-phenylether	< 240	U	1800	240	ug/Kg
Hexachlorobenzene	< 200	U	1800	200	ug/Kg
Pentachlorophenol	< 350	U	4600	350	ug/Kg
Phenanthrene	< 180	U	1800	180	ug/Kg
Anthracene	< 240	U	1800	240	ug/Kg
Carbazole	< 75	U	1800	75	ug/Kg
Di-n-butylphthalate	< 220	U	1800	220	ug/Kg
Fluoranthene	< 180	U	1800	180	ug/Kg
Pyrene	< 180	U	1800	180	ug/Kg
Butylbenzylphthalate	< 180	U	1800	180	ug/Kg
3,3'-Dichlorobenzidine	< 180	U	1800	180	ug/Kg
Benzo(a)anthracene	< 180	U	1800	180	ug/Kg
Chrysene	< 290	U	1800	290	ug/Kg
Bis(2-Ethylhexyl)phthalate	< 180	U	1800	180	ug/Kg
Di-n-octyl phthalate	< 280	U	1800	280	ug/Kg
Benzo(b)fluoranthene	< 180	U	1800	180	ug/Kg
Benzo(k)fluoranthene	< 480	U	1800	480	ug/Kg
Benzo(a)pyrene	< 280	U	1800	280	ug/Kg
Indeno(1,2,3-cd)pyrene	< 290	U	1800	290	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-09RE	**Client ID:**	FS-2ARE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002437.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	11
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 280	U	1800	280	ug/Kg
Benzo(g,h,i)perylene	< 240	U	1800	240	ug/Kg
SURROGATES					
2-Fluorophenol	35.75	60 %	25 - 121		SPK: 300
Phenol-d5	39.37	66 %	24 - 113		SPK: 300
Nitrobenzene-d5	29.18	73 %	23 - 120		SPK: 200
2-Fluorobiphenyl	28.97	72 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	34.87	58 %	19 - 122		SPK: 300
Terphenyl-d14	30.81	77 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	69461	7.04			
Naphthalene-d8	176266	9.23			
Acenaphthene-d10	144355	12.46			
Phenanthrene-d10	276691	15.23			
Chrysene-d12	285484	20.24			
Perylene-d12	215171	23.32			

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-10	**Client ID:**	FS-6-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002378.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	5
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 41	U	350	41	ug/Kg
2-Chlorophenol	< 38	U	350	38	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 41	U	350	41	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
2-Methylphenol	< 35	U	350	35	ug/Kg
2,2'-oxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 62	U	350	62	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 38	U	350	38	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 38	U	350	38	ug/Kg
2,4-Dimethylphenol	< 79	U	350	79	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 45	U	350	45	ug/Kg
1,2,4-Trichlorobenzene	< 41	U	350	41	ug/Kg
Naphthalene	< 41	U	350	41	ug/Kg
4-Chloroaniline	< 41	U	350	41	ug/Kg
Hexachlorobutadiene	< 52	U	350	52	ug/Kg
4-Chloro-3-methylphenol	< 38	U	350	38	ug/Kg
2-Methylnaphthalene	< 41	U	350	41	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	870	35	ug/Kg
2-Chloronaphthalene	< 41	U	350	41	ug/Kg
2-Nitroaniline	< 35	U	870	35	ug/Kg
Dimethylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 41	U	350	41	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-10	**Client ID:**	FS-6-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002378.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	5
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 41	U	870	41	ug/Kg
Acenaphthene	< 41	U	350	41	ug/Kg
2,4-Dinitrophenol	< 69	U	870	69	ug/Kg
4-Nitrophenol	< 38	U	870	38	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 38	U	350	38	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
[illegible]rophenyl-phenylether	< 41	U	350	41	ug/Kg
Fluorene	< 38	U	350	38	ug/Kg
4-Nitroaniline	< 83	U	870	83	ug/Kg
4,6-Dinitro-2-methylphenol	< 41	U	870	41	ug/Kg
N-Nitrosodiphenylamine	< 69	U	350	69	ug/Kg
4-Bromophenyl-phenylether	< 45	U	350	45	ug/Kg
Hexachlorobenzene	< 38	U	350	38	ug/Kg
Pentachlorophenol	< 66	U	870	66	ug/Kg
Phenanthrene	< 35	U	350	35	ug/Kg
Anthracene	< 45	U	350	45	ug/Kg
Carbazole	< 14	U	350	14	ug/Kg
Di-n-butylphthalate	< 41	U	350	41	ug/Kg
Fluoranthene	< 35	U	350	35	ug/Kg
Pyrene	38	J	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	< 35	U	350	35	ug/Kg
Chrysene	98	J	350	55	ug/Kg
Bis(2-Ethylhexyl)phthalate	170	J	350	35	ug/Kg
Di-n-octyl phthalate	< 52	U	350	52	ug/Kg
Benzo(b)fluoranthene	< 35	U	350	35	ug/Kg
[illegible]c)fluoranthene	< 90	U	350	90	ug/Kg
Benzo(a)pyrene	< 52	U	350	52	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	350	55	ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-10	**Client ID:**	FS-6-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002378.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	5
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 52	U	350	52	ug/Kg
Benzo(g,h,i)perylene	< 45	U	350	45	ug/Kg
SURROGATES					
2-Fluorophenol	171.85	57 %	25 - 121		SPK: 300
Phenol-d5	184.18	61 %	24 - 113		SPK: 300
Nitrobenzene-d5	127.84	64 %	23 - 120		SPK: 200
2-Fluorobiphenyl	118.18	59 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	141.1	47 %	19 - 122		SPK: 300
Terphenyl-d14	216.17	108 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	48722	7.08			
Naphthalene-d8	147241	9.27			
Acenaphthene-d10	102614	12.50			
Phenanthrene-d10	188699	15.28			
Chrysene-d12	99088	20.30			
Perylene-d12	39867	23.39			
TENTITIVE IDENTIFIED COMPOUNDS					
Hexanal	1100	J	4.14		ug/Kg
TCP	2000	A	4.42		ug/Kg
TCP	2100	A	4.82		ug/Kg
TCP	1900	A	5.75		ug/Kg
TCP	2000	A	6.68		ug/Kg

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SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-10RE	**Client ID:**	FS-6-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002445.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	5
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 35	U	350	35	ug/Kg
bis(2-Chloroethyl)ether	< 41	U	350	41	ug/Kg
2-Chlorophenol	< 38	U	350	38	ug/Kg
1,2-Dichlorobenzene	< 35	U	350	35	ug/Kg
1,3-Dichlorobenzene	< 41	U	350	41	ug/Kg
1,4-Dichlorobenzene	< 35	U	350	35	ug/Kg
[redacted]hylphenol	< 35	U	350	35	ug/Kg
2,2'-oxybis(1-chloropropane)	< 35	U	350	35	ug/Kg
3+4-Methylphenols	< 62	U	350	62	ug/Kg
N-Nitroso-di-n-propylamine	< 35	U	350	35	ug/Kg
Hexachloroethane	< 38	U	350	38	ug/Kg
Nitrobenzene	< 35	U	350	35	ug/Kg
Isophorone	< 35	U	350	35	ug/Kg
2-Nitrophenol	< 38	U	350	38	ug/Kg
2,4-Dimethylphenol	< 79	U	350	79	ug/Kg
bis(2-Chloroethoxy)methane	< 35	U	350	35	ug/Kg
2,4-Dichlorophenol	< 45	U	350	45	ug/Kg
1,2,4-Trichlorobenzene	< 41	U	350	41	ug/Kg
Naphthalene	< 41	U	350	41	ug/Kg
4-Chloroaniline	< 41	U	350	41	ug/Kg
Hexachlorobutadiene	< 52	U	350	52	ug/Kg
4-Chloro-3-methylphenol	< 38	U	350	38	ug/Kg
2-Methylnaphthalene	< 41	U	350	41	ug/Kg
Hexachlorocyclopentadiene	< 130	U	350	130	ug/Kg
2,4,6-Trichlorophenol	< 35	U	350	35	ug/Kg
2,4,5-Trichlorophenol	< 35	U	870	35	ug/Kg
2-Chloronaphthalene	< 41	U	350	41	ug/Kg
2-Nitroaniline	< 35	U	870	35	ug/Kg
Dimethylphthalate	< 35	U	350	35	ug/Kg
Acenaphthylene	< 41	U	350	41	ug/Kg
2,6-Dinitrotoluene	< 35	U	350	35	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-10RE | **Client ID:** FS-6-10RE

Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002445.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	5
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 41	U	870	41	ug/Kg
Acenaphthene	< 41	U	350	41	ug/Kg
2,4-Dinitrophenol	< 69	U	870	69	ug/Kg
4-Nitrophenol	< 38	U	870	38	ug/Kg
Dibenzofuran	< 35	U	350	35	ug/Kg
2,4-Dinitrotoluene	< 38	U	350	38	ug/Kg
Diethylphthalate	< 35	U	350	35	ug/Kg
4-Chlorophenyl-phenylether	< 41	U	350	41	ug/Kg
Fluorene	< 38	U	350	38	ug/Kg
4-Nitroaniline	< 83	U	870	83	ug/Kg
4,6-Dinitro-2-methylphenol	< 41	U	870	41	ug/Kg
N-Nitrosodiphenylamine	< 69	U	350	69	ug/Kg
4-Bromophenyl-phenylether	< 45	U	350	45	ug/Kg
Hexachlorobenzene	< 38	U	350	38	ug/Kg
Pentachlorophenol	< 66	U	870	66	ug/Kg
Phenanthrene	< 35	U	350	35	ug/Kg
Anthracene	< 45	U	350	45	ug/Kg
Carbazole	< 14	U	350	14	ug/Kg
Di-n-butylphthalate	< 41	U	350	41	ug/Kg
Fluoranthene	< 35	U	350	35	ug/Kg
Pyrene	46	J	350	35	ug/Kg
Butylbenzylphthalate	< 35	U	350	35	ug/Kg
3,3'-Dichlorobenzidine	< 35	U	350	35	ug/Kg
Benzo(a)anthracene	< 35	U	350	35	ug/Kg
Chrysene	91	J	350	55	ug/Kg
Bis(2-Ethylhexyl)phthalate	120	JB	350	35	ug/Kg
Di-n-octyl phthalate	< 52	U	350	52	ug/Kg
Benzo(b)fluoranthene	< 35	U	350	35	ug/Kg
Benzo(k)fluoranthene	< 90	U	350	90	ug/Kg
Benzo(a)pyrene	< 52	U	350	52	ug/Kg
Indeno(1,2,3-cd)pyrene	< 55	U	350	55	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-10RE	**Client ID:**	FS-6-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002445.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	5
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 52	U	350	52	ug/Kg
Benzo(g,h,i)perylene	< 45	U	350	45	ug/Kg
SURROGATES					
2-Fluorophenol	177.12	59 %	25 - 121		SPK: 300
Phenol-d5	180.08	60 %	24 - 113		SPK: 300
Nitrobenzene-d5	126.79	63 %	23 - 120		SPK: 200
2-Fluorobiphenyl	127.77	64 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	174.65	58 %	19 - 122		SPK: 300
Terphenyl-d14	230.87	115 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	60707	7.04			
Naphthalene-d8	169862	9.23			
Acenaphthene-d10	117537	12.45			
Phenanthrene-d10	235625	15.23			
Chrysene-d12	103350	20.26			
Perylene-d12	43118	23.34			

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-11 **Client ID:** B10-9

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/22/02 **Matrix:** SOIL
Date Extracted: 8/16/02 **File ID:** BC002377.D
Dilution: 1 **Instrument ID:** 5970C
Analytical Method: 8270 **Analytical Run ID:** BC082102
Sample Wt/Vol: 30.1 **Extract Vol:** 1000
Injection Vol: 2 **% Moisture:** 15
Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 39	U	390	39	ug/Kg
bis(2-Chloroethyl)ether	< 46	U	390	46	ug/Kg
2-Chlorophenol	< 43	U	390	43	ug/Kg
1,2-Dichlorobenzene	< 39	U	390	39	ug/Kg
1,3-Dichlorobenzene	< 46	U	390	46	ug/Kg
1,4-Dichlorobenzene	< 39	U	390	39	ug/Kg
2-Methylphenol	< 39	U	390	39	ug/Kg
2,2'-oxybis(1-chloropropane)	< 39	U	390	39	ug/Kg
3+4-Methylphenols	< 70	U	390	70	ug/Kg
N-Nitroso-di-n-propylamine	< 39	U	390	39	ug/Kg
Hexachloroethane	< 43	U	390	43	ug/Kg
Nitrobenzene	< 39	U	390	39	ug/Kg
sophorone	< 39	U	390	39	ug/Kg
2-Nitrophenol	< 43	U	390	43	ug/Kg
2,4-Dimethylphenol	< 89	U	390	89	ug/Kg
bis(2-Chloroethoxy)methane	< 39	U	390	39	ug/Kg
2,4-Dichlorophenol	< 50	U	390	50	ug/Kg
,2,4-Trichlorobenzene	< 46	U	390	46	ug/Kg
Naphthalene	< 46	U	390	46	ug/Kg
-Chloroaniline	< 46	U	390	46	ug/Kg
Hexachlorobutadiene	< 58	U	390	58	ug/Kg
-Chloro-3-methylphenol	< 43	U	390	43	ug/Kg
-Methylnaphthalene	< 46	U	390	46	ug/Kg
Hexachlorocyclopentadiene	< 150	U	390	150	ug/Kg
,4,6-Trichlorophenol	< 39	U	390	39	ug/Kg
,4,5-Trichlorophenol	< 39	U	970	39	ug/Kg
-Chloronaphthalene	< 46	U	390	46	ug/Kg
-Nitroaniline	< 39	U	970	39	ug/Kg
Dimethylphthalate	< 39	U	390	39	ug/Kg
cenaphthylene	< 46	U	390	46	ug/Kg
,6-Dinitrotoluene	< 39	U	390	39	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-11	Client ID:	B10-9
Date Collected:	8/9/02	Date Received:	8/10/02
Date Analyzed:	8/22/02	Matrix:	SOIL
Date Extracted:	8/16/02	File ID:	BC002377.D
Dilution:	1	Instrument ID:	5970C
Analytical Method:	8270	Analytical Run ID:	BC082102
Sample Wt/Vol:	30.1	Extract Vol:	1000
Injection Vol:	2	% Moisture:	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 46	U	970	46	ug/Kg
Acenaphthene	< 46	U	390	46	ug/Kg
2,4-Dinitrophenol	< 77	U	970	77	ug/Kg
4-Nitrophenol	< 43	U	970	43	ug/Kg
Dibenzofuran	< 39	U	390	39	ug/Kg
2,4-Dinitrotoluene	< 43	U	390	43	ug/Kg
D[illegible]ylphthalate	< 39	U	390	39	ug/Kg
[illegible]orophenyl-phenylether	< 46	U	390	46	ug/Kg
Fluorene	< 43	U	390	43	ug/Kg
4-Nitroaniline	< 93	U	970	93	ug/Kg
4,6-Dinitro-2-methylphenol	< 46	U	970	46	ug/Kg
N-Nitrosodiphenylamine	< 77	U	390	77	ug/Kg
4-Bromophenyl-phenylether	< 50	U	390	50	ug/Kg
Hexachlorobenzene	< 43	U	390	43	ug/Kg
Pentachlorophenol	< 74	U	970	74	ug/Kg
Phenanthrene	81	J	390	39	ug/Kg
Anthracene	< 50	U	390	50	ug/Kg
Carbazole	< 16	U	390	16	ug/Kg
Di-n-butylphthalate	< 46	U	390	46	ug/Kg
Fluoranthene	130	J	390	39	ug/Kg
Pyrene	42	J	390	39	ug/Kg
Butylbenzylphthalate	< 39	U	390	39	ug/Kg
3,3'-Dichlorobenzidine	< 39	U	390	39	ug/Kg
Benzo(a)anthracene	< 39	U	390	39	ug/Kg
Chrysene	< 62	U	390	62	ug/Kg
Bis(2-Ethylhexyl)phthalate	210	J	390	39	ug/Kg
Di-n-octyl phthalate	< 58	U	390	58	ug/Kg
Benzo(b)fluoranthene	< 39	U	390	39	ug/Kg
Benzo(k)fluoranthene	< 100	U	390	100	ug/Kg
Benzo(a)pyrene	< 58	U	390	58	ug/Kg
Indeno(1,2,3-cd)pyrene	< 62	U	390	62	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-11	**Client ID:**	B10-9
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002377.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 58	U	390	58	ug/Kg
Benzo(g,h,i)perylene	< 50	U	390	50	ug/Kg
SURROGATES					
2-Fluorophenol	207.38	69 %	25 - 121		SPK: 300
Phenol-d5	209.94	70 %	24 - 113		SPK: 300
Nitrobenzene-d5	218.75	109 %	23 - 120		SPK: 200
2-Fluorobiphenyl	152.15	76 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	398.76	133 %	19 - 122		SPK: 300
Terphenyl-d14	155.57	78 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	45113	7.08			
Naphthalene-d8	84317	9.29			
Acenaphthene-d10	35864	12.56			
Phenanthrene-d10	77403	15.32			
Chrysene-d12	174457	20.30			
Perylene-d12	83922	23.36			
TENTITIVE IDENTIFIED COMPOUNDS					
UNKNOWN	3000	A	4.43		ug/Kg
UNKNOWN	6400	A	4.84		ug/Kg
UNKNOWN	2700	A	5.76		ug/Kg
UNKNOWN	2900	A	6.68		ug/Kg
1-Undecene	2100	J	7.48		ug/Kg
9-Borabicyclo[3.3.1]nonane, 9-hyd	2500	J	7.67		ug/Kg
Cyclohexane, 1,2-diethyl-1-methyl-	1400	J	7.73		ug/Kg
Cyclohexane, 1,1,3,5-tetramethyl-,	2600	J	7.90		ug/Kg
Unknown	1700	J	9.24		ug/Kg
Cyclohexane, 2-butyl-1,1,3-trimeth	1600	J	9.64		ug/Kg
Unknown	1800	J	9.77		ug/Kg
Octane, 2,3,7-trimethyl-	2800	J	10.06		ug/Kg
Cyclohexane, 1,2,3-trimethyl-	2000	J	10.26		ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-11	**Client ID:**	B10-9
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002377.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Cyclohexane, 2,4-diethyl-1-methyl-	1400	J	10.70		ug/Kg
Unknown	1500	J	11.08		ug/Kg
Dodecane, 2,7,10-trimethyl-	2500	J	11.19		ug/Kg
Cyclohexane, 1,1,3-trimethyl-2-(3-r	3200	J	11.43		ug/Kg
Hexadecane	1800	J	12.05		ug/Kg
Unknown	1600	J	12.36		ug/Kg
Heptadecane, 2,6-dimethyl-	1600	J	14.28		ug/Kg

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SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-11RE	**Client ID:**	B10-9RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002436.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 190	U	1900	190	ug/Kg
bis(2-Chloroethyl)ether	< 230	U	1900	230	ug/Kg
2-Chlorophenol	< 210	U	1900	210	ug/Kg
1,2-Dichlorobenzene	< 190	U	1900	190	ug/Kg
1,3-Dichlorobenzene	< 230	U	1900	230	ug/Kg
1,4-Dichlorobenzene	< 190	U	1900	190	ug/Kg
2-Methylphenol	< 190	U	1900	190	ug/Kg
2,2'-oxybis(1-chloropropane)	< 190	U	1900	190	ug/Kg
3+4-Methylphenols	< 350	U	1900	350	ug/Kg
N-Nitroso-di-n-propylamine	< 190	U	1900	190	ug/Kg
Hexachloroethane	< 210	U	1900	210	ug/Kg
Nitrobenzene	< 190	U	1900	190	ug/Kg
Isophorone	< 190	U	1900	190	ug/Kg
2-Nitrophenol	< 210	U	1900	210	ug/Kg
2,4-Dimethylphenol	< 440	U	1900	440	ug/Kg
bis(2-Chloroethoxy)methane	< 190	U	1900	190	ug/Kg
2,4-Dichlorophenol	< 250	U	1900	250	ug/Kg
1,2,4-Trichlorobenzene	< 230	U	1900	230	ug/Kg
Naphthalene	< 230	U	1900	230	ug/Kg
4-Chloroaniline	< 230	U	1900	230	ug/Kg
Hexachlorobutadiene	< 290	U	1900	290	ug/Kg
4-Chloro-3-methylphenol	< 210	U	1900	210	ug/Kg
2-Methylnaphthalene	< 230	U	1900	230	ug/Kg
Hexachlorocyclopentadiene	< 740	U	1900	740	ug/Kg
2,4,6-Trichlorophenol	< 190	U	1900	190	ug/Kg
2,4,5-Trichlorophenol	< 190	U	4900	190	ug/Kg
2-Chloronaphthalene	< 230	U	1900	230	ug/Kg
2-Nitroaniline	< 190	U	4900	190	ug/Kg
Dimethylphthalate	< 190	U	1900	190	ug/Kg
Acenaphthylene	< 230	U	1900	230	ug/Kg
2,6-Dinitrotoluene	< 190	U	1900	190	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-11RE	**Client ID:**	B10-9RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002436.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 230	U	4900	230	ug/Kg
Acenaphthene	< 230	U	1900	230	ug/Kg
2,4-Dinitrophenol	< 390	U	4900	390	ug/Kg
4-Nitrophenol	< 210	U	4900	210	ug/Kg
Dibenzofuran	< 190	U	1900	190	ug/Kg
2,4-Dinitrotoluene	< 210	U	1900	210	ug/Kg
[illegible]lphthalate	< 190	U	1900	190	ug/Kg
[illegible]-Chlorophenyl-phenylether	< 230	U	1900	230	ug/Kg
Fluorene	< 210	U	1900	210	ug/Kg
4-Nitroaniline	< 460	U	4900	460	ug/Kg
4,6-Dinitro-2-methylphenol	< 230	U	4900	230	ug/Kg
N-Nitrosodiphenylamine	< 390	U	1900	390	ug/Kg
4-Bromophenyl-phenylether	< 250	U	1900	250	ug/Kg
Hexachlorobenzene	< 210	U	1900	210	ug/Kg
Pentachlorophenol	< 370	U	4900	370	ug/Kg
Phenanthrene	< 190	U	1900	190	ug/Kg
Anthracene	< 250	U	1900	250	ug/Kg
Carbazole	< 79	U	1900	79	ug/Kg
Di-n-butylphthalate	< 230	U	1900	230	ug/Kg
Fluoranthene	< 190	U	1900	190	ug/Kg
Pyrene	< 190	U	1900	190	ug/Kg
Butylbenzylphthalate	< 190	U	1900	190	ug/Kg
3,3'-Dichlorobenzidine	< 190	U	1900	190	ug/Kg
Benzo(a)anthracene	< 190	U	1900	190	ug/Kg
Chrysene	< 310	U	1900	310	ug/Kg
Bis(2-Ethylhexyl)phthalate	200	JB	1900	190	ug/Kg
Di-n-octyl phthalate	< 290	U	1900	290	ug/Kg
Benzo(b)fluoranthene	< 190	U	1900	190	ug/Kg
Benzo(k)fluoranthene	< 500	U	1900	500	ug/Kg
Benzo(a)pyrene	< 290	U	1900	290	ug/Kg
Indeno(1,2,3-cd)pyrene	< 310	U	1900	310	ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-11RE	**Client ID:**	B10-9RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002436.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.1	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 290	U	1900	290	ug/Kg
Benzo(g,h,i)perylene	< 250	U	1900	250	ug/Kg
SURROGATES					
2-Fluorophenol	50.51	84 %	25 - 121		SPK: 300
Phenol-d5	53.11	89 %	24 - 113		SPK: 300
Nitrobenzene-d5	43.28	108 %	23 - 120		SPK: 200
2-Fluorobiphenyl	43.48	109 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	63.96	107 %	19 - 122		SPK: 300
Terphenyl-d14	38.42	96 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	65922	7.04			
Naphthalene-d8	148547	9.23			
Acenaphthene-d10	101419	12.47			
Phenanthrene-d10	219565	15.24			
Chrysene-d12	279825	20.24			
Perylene-d12	207054	23.31			

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SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-12	**Client ID:**	C10-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002367.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.5	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	17
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 39	U	390	39	ug/Kg
bis(2-Chloroethyl)ether	< 46	U	390	46	ug/Kg
2-Chlorophenol	< 43	U	390	43	ug/Kg
1,2-Dichlorobenzene	< 39	U	390	39	ug/Kg
1,3-Dichlorobenzene	< 46	U	390	46	ug/Kg
1,4-Dichlorobenzene	< 39	U	390	39	ug/Kg
2[illegible]thylphenol	< 39	U	390	39	ug/Kg
2[illegible]oxybis(1-chloropropane)	< 39	U	390	39	ug/Kg
3+4-Methylphenols	< 70	U	390	70	ug/Kg
N-Nitroso-di-n-propylamine	< 39	U	390	39	ug/Kg
Hexachloroethane	< 43	U	390	43	ug/Kg
Nitrobenzene	< 39	U	390	39	ug/Kg
Isophorone	< 39	U	390	39	ug/Kg
2-Nitrophenol	< 43	U	390	43	ug/Kg
2,4-Dimethylphenol	< 90	U	390	90	ug/Kg
bis(2-Chloroethoxy)methane	< 39	U	390	39	ug/Kg
2,4-Dichlorophenol	< 51	U	390	51	ug/Kg
1,2,4-Trichlorobenzene	< 46	U	390	46	ug/Kg
Naphthalene	< 46	U	390	46	ug/Kg
4-Chloroaniline	< 46	U	390	46	ug/Kg
Hexachlorobutadiene	< 59	U	390	59	ug/Kg
4-Chloro-3-methylphenol	< 43	U	390	43	ug/Kg
2-Methylnaphthalene	1900		390	46	ug/Kg
Hexachlorocyclopentadiene	< 150	U	390	150	ug/Kg
2,4,6-Trichlorophenol	< 39	U	390	39	ug/Kg
2,4,5-Trichlorophenol	< 39	U	980	39	ug/Kg
2-Chloronaphthalene	< 46	U	390	46	ug/Kg
2-Nitroaniline	< 39	U	980	39	ug/Kg
[illegible]ylphthalate	< 39	U	390	39	ug/Kg
Acenaphthylene	< 46	U	390	46	ug/Kg
2,6-Dinitrotoluene	< 39	U	390	39	ug/Kg

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SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-12 **Client ID:** C10-10

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/21/02 **Matrix:** SOIL
Date Extracted: 8/16/02 **File ID:** BC002367.D
Dilution: 1 **Instrument ID:** 5970C
Analytical Method: 8270 **Analytical Run ID:** BC082102
Sample Wt/Wol: 30.5 **Extract Vol:** 1000
Injection Vol: 2 **% Moisture:** 17
Associated Blank:

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 46	U	980	46	ug/Kg
Acenaphthene	350	J	390	46	ug/Kg
2,4-Dinitrophenol	< 78	U	980	78	ug/Kg
4-Nitrophenol	< 43	U	980	43	ug/Kg
Dibenzofuran	< 39	U	390	39	ug/Kg
2,4-Dinitrotoluene	< 43	U	390	43	ug/Kg
Diethylphthalate	< 39	U	390	39	ug/Kg
4-Chlorophenyl-phenylether	< 46	U	390	46	ug/Kg
Fluorene	740		390	43	ug/Kg
4-Nitroaniline	< 94	U	980	94	ug/Kg
4,6-Dinitro-2-methylphenol	< 46	U	980	46	ug/Kg
N-Nitrosodiphenylamine	< 78	U	390	78	ug/Kg
4-Bromophenyl-phenylether	< 51	U	390	51	ug/Kg
Hexachlorobenzene	< 43	U	390	43	ug/Kg
Pentachlorophenol	< 74	U	980	74	ug/Kg
Phenanthrene	760		390	39	ug/Kg
Anthracene	180	J	390	51	ug/Kg
Carbazole	< 16	U	390	16	ug/Kg
Di-n-butylphthalate	< 46	U	390	46	ug/Kg
Fluoranthene	150	J	390	39	ug/Kg
Pyrene	< 39	U	390	39	ug/Kg
Butylbenzylphthalate	< 39	U	390	39	ug/Kg
3,3'-Dichlorobenzidine	< 39	U	390	39	ug/Kg
Benzo(a)anthracene	< 39	U	390	39	ug/Kg
Chrysene	< 63	U	390	63	ug/Kg
bis(2-Ethylhexyl)phthalate	93	J	390	39	ug/Kg
Di-n-octyl phthalate	< 59	U	390	59	ug/Kg
Benzo(b)fluoranthene	< 39	U	390	39	ug/Kg
Benzo(k)fluoranthene	< 100	U	390	100	ug/Kg
Benzo(a)pyrene	< 59	U	390	59	ug/Kg
Indeno(1,2,3-cd)pyrene	< 63	U	390	63	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-12	**Client ID:**	C10-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002367.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.5	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	17
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 59	U	390	59	ug/Kg
Benzo(g,h,i)perylene	< 51	U	390	51	ug/Kg
SURROGATES					
2-Fluorophenol	169.15	56 %	25 - 121		SPK: 300
Phenol-d5	170.25	57 %	24 - 113		SPK: 300
Nitrobenzene-d5	271.46	136 %	23 - 120		SPK: 200
›robiphenyl	153.66	77 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	298.67	100 %	19 - 122		SPK: 300
Terphenyl-d14	133.89	67 %	18 - 137		SPK: 200
NTERNAL STANDARDS					
,4-Dichlorobenzene-d4	50657	7.07			
Naphthalene-d8	65371	9.29			
Acenaphthene-d10	33957	12.57			
Phenanthrene-d10	113283	15.32			
Chrysene-d12	190333	20.29			
Perylene-d12	170365	23.36			
ENTITIVE IDENTIFIED COMPOUNDS					
.CP	2500	A	4.42		ug/Kg
.CP	1000	A	4.84		ug/Kg
.CP	2500	A	5.75		ug/Kg
enzene, 1-ethyl-4-methyl-	1400	J	7.18		ug/Kg
-Undecene, (Z)-	1400	J	7.47		ug/Kg
enzene, 1,4-diethyl-	1600	J	7.59		ug/Kg
enzene, 1-methyl-3-(1-methylethy	3100	J	7.89		ug/Kg
enzene, 4-ethyl-1,2-dimethyl-	1200	J	7.95		ug/Kg
ndecane, 2,6-dimethyl-	1200	J	9.42		ug/Kg
ıdecanol	2200	J	10.95		ug/Kg
odecane, 2,6,10-trimethyl-	2600	J	11.21		ug/Kg
idecane, 4,8-dimethyl-	1500	J	11.47		ug/Kg
aphthalene, 1,6-dimethyl-	1100	J	11.80		ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-12	**Client ID:**	C10-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002367.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.5	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	17
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Hexadecane	3100	J	12.05		ug/Kg
Heptadecane	1100	J	12.91		ug/Kg
Tridecane	1100	J	13.35		ug/Kg
Pentadecane, 2,6,10,14-tetramethyl	2000	J	13.77		ug/Kg
Heptadecane, 2,6-dimethyl-	2600	J	14.27		ug/Kg
Unknown	1300	J	14.84		ug/Kg
9-Methyloctadecane	2100	J	15.13		ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-12RE	**Client ID:**	C10-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002435.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.5	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	17
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 200	U	2000	200	ug/Kg
bis(2-Chloroethyl)ether	< 230	U	2000	230	ug/Kg
2-Chlorophenol	< 220	U	2000	220	ug/Kg
1,2-Dichlorobenzene	< 200	U	2000	200	ug/Kg
1,3-Dichlorobenzene	< 230	U	2000	230	ug/Kg
,4-Dichlorobenzene	< 200	U	2000	200	ug/Kg
hylphenol	< 200	U	2000	200	ug/Kg
oxybis(1-chloropropane)	< 200	U	2000	200	ug/Kg
+4-Methylphenols	< 350	U	2000	350	ug/Kg
N-Nitroso-di-n-propylamine	< 200	U	2000	200	ug/Kg
Hexachloroethane	< 220	U	2000	220	ug/Kg
Nitrobenzene	< 200	U	2000	200	ug/Kg
sophorone	< 200	U	2000	200	ug/Kg
-Nitrophenol	< 220	U	2000	220	ug/Kg
,4-Dimethylphenol	< 450	U	2000	450	ug/Kg
is(2-Chloroethoxy)methane	< 200	U	2000	200	ug/Kg
,4-Dichlorophenol	< 250	U	2000	250	ug/Kg
,2,4-Trichlorobenzene	< 230	U	2000	230	ug/Kg
Naphthalene	< 230	U	2000	230	ug/Kg
-Chloroaniline	< 230	U	2000	230	ug/Kg
Hexachlorobutadiene	< 290	U	2000	290	ug/Kg
-Chloro-3-methylphenol	< 220	U	2000	220	ug/Kg
-Methylnaphthalene	2600		2000	230	ug/Kg
Hexachlorocyclopentadiene	< 740	U	2000	740	ug/Kg
,4,6-Trichlorophenol	< 200	U	2000	200	ug/Kg
,4,5-Trichlorophenol	< 200	U	4900	200	ug/Kg
-Chloronaphthalene	< 230	U	2000	230	ug/Kg
-Nitroaniline	< 200	U	4900	200	ug/Kg
ylphthalate	< 200	U	2000	200	ug/Kg
cenaphthylene	< 230	U	2000	230	ug/Kg
6-Dinitrotoluene	< 200	U	2000	200	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-12RE | **Client ID:** C10-10RE

Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002435.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.5	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	17
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 230	U	4900	230	ug/Kg
Acenaphthene	410	J	2000	230	ug/Kg
2,4-Dinitrophenol	< 390	U	4900	390	ug/Kg
4-Nitrophenol	< 220	U	4900	220	ug/Kg
Dibenzofuran	< 200	U	2000	200	ug/Kg
2,4-Dinitrotoluene	< 220	U	2000	220	ug/Kg
Diethylphthalate	< 200	U	2000	200	ug/Kg
4-Chlorophenyl-phenylether	< 230	U	2000	230	ug/Kg
Fluorene	810	J	2000	220	ug/Kg
4-Nitroaniline	< 470	U	4900	470	ug/Kg
4,6-Dinitro-2-methylphenol	< 230	U	4900	230	ug/Kg
N-Nitrosodiphenylamine	< 390	U	2000	390	ug/Kg
4-Bromophenyl-phenylether	< 250	U	2000	250	ug/Kg
Hexachlorobenzene	< 220	U	2000	220	ug/Kg
Pentachlorophenol	< 370	U	4900	370	ug/Kg
Phenanthrene	800	J	2000	200	ug/Kg
Anthracene	< 250	U	2000	250	ug/Kg
Carbazole	< 80	U	2000	80	ug/Kg
Di-n-butylphthalate	< 230	U	2000	230	ug/Kg
Fluoranthene	< 200	U	2000	200	ug/Kg
Pyrene	< 200	U	2000	200	ug/Kg
Butylbenzylphthalate	< 200	U	2000	200	ug/Kg
3,3'-Dichlorobenzidine	< 200	U	2000	200	ug/Kg
Benzo(a)anthracene	< 200	U	2000	200	ug/Kg
Chrysene	< 310	U	2000	310	ug/Kg
Bis(2-Ethylhexyl)phthalate	< 200	U	2000	200	ug/Kg
Di-n-octyl phthalate	< 290	U	2000	290	ug/Kg
Benzo(b)fluoranthene	< 200	U	2000	200	ug/Kg
Benzo(k)fluoranthene	< 510	U	2000	510	ug/Kg
Benzo(a)pyrene	< 290	U	2000	290	ug/Kg
Indeno(1,2,3-cd)pyrene	< 310	U	2000	310	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-12RE	**Client ID:**	C10-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002435.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.5	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	17
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 300	U	2000	300	ug/Kg
Benzo(g,h,i)perylene	< 250	U	2000	250	ug/Kg
SURROGATES					
2-Fluorophenol	38.79	65 %	25 - 121		SPK: 300
Phenol-d5	43.29	72 %	24 - 113		SPK: 300
Nitrobenzene-d5	49.56	124 %	23 - 120		SPK: 200
2-Fluorobiphenyl	36.47	91 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	41.32	69 %	19 - 122		SPK: 300
Terphenyl-d14	34.85	87 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	70544	7.05			
Naphthalene-d8	131595	9.24			
Acenaphthene-d10	100619	12.48			
Phenanthrene-d10	243823	15.24			
Chrysene-d12	271496	20.25			
Perylene-d12	202508	23.32			

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13	**Client ID:**	HC-7-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002368.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 38	U	380	38	ug/Kg
ɔis(2-Chloroethyl)ether	< 46	U	380	46	ug/Kg
2-Chlorophenol	< 42	U	380	42	ug/Kg
1,2-Dichlorobenzene	< 38	U	380	38	ug/Kg
1,3-Dichlorobenzene	< 46	U	380	46	ug/Kg
1,4-Dichlorobenzene	< 38	U	380	38	ug/Kg
2-Methylphenol	< 38	U	380	38	ug/Kg
2,2'-oxybis(1-chloropropane)	< 38	U	380	38	ug/Kg
3+4-Methylphenols	< 69	U	380	69	ug/Kg
N-Nitroso-di-n-propylamine	< 38	U	380	38	ug/Kg
Hexachloroethane	< 42	U	380	42	ug/Kg
Nitrobenzene	< 38	U	380	38	ug/Kg
sophorone	< 38	U	380	38	ug/Kg
-Nitrophenol	< 42	U	380	42	ug/Kg
,4-Dimethylphenol	< 88	U	380	88	ug/Kg
is(2-Chloroethoxy)methane	< 38	U	380	38	ug/Kg
,4-Dichlorophenol	< 50	U	380	50	ug/Kg
,2,4-Trichlorobenzene	< 46	U	380	46	ug/Kg
Naphthalene	100	J	380	46	ug/Kg
-Chloroaniline	< 46	U	380	46	ug/Kg
Hexachlorobutadiene	< 58	U	380	58	ug/Kg
-Chloro-3-methylphenol	< 42	U	380	42	ug/Kg
-Methylnaphthalene	140	J	380	46	ug/Kg
Hexachlorocyclopentadiene	< 150	U	380	150	ug/Kg
,4,6-Trichlorophenol	< 38	U	380	38	ug/Kg
,4,5-Trichlorophenol	< 38	U	970	38	ug/Kg
-Chloronaphthalene	< 46	U	380	46	ug/Kg
-Nitroaniline	< 38	U	970	38	ug/Kg
imethylphthalate	< 38	U	380	38	ug/Kg
cenaphthylene	54	J	380	46	ug/Kg
6-Dinitrotoluene	< 38	U	380	38	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13	**Client ID:**	HC-7-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002368.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 46	U	970	46	ug/Kg
Acenaphthene	58	J	380	46	ug/Kg
2,4-Dinitrophenol	< 77	U	970	77	ug/Kg
4-Nitrophenol	< 42	U	970	42	ug/Kg
Dibenzofuran	100	J	380	38	ug/Kg
2,4-Dinitrotoluene	< 42	U	380	42	ug/Kg
Diethylphthalate	< 38	U	380	38	ug/Kg
4-Chlorophenyl-phenylether	< 46	U	380	46	ug/Kg
Fluorene	160	J	380	42	ug/Kg
4-Nitroaniline	< 92	U	970	92	ug/Kg
4,6-Dinitro-2-methylphenol	< 46	U	970	46	ug/Kg
N-Nitrosodiphenylamine	< 77	U	380	77	ug/Kg
4-Bromophenyl-phenylether	< 50	U	380	50	ug/Kg
Hexachlorobenzene	< 42	U	380	42	ug/Kg
Pentachlorophenol	< 73	U	970	73	ug/Kg
Phenanthrene	94	J	380	38	ug/Kg
Anthracene	74	J	380	50	ug/Kg
Carbazole	< 16	U	380	16	ug/Kg
Di-n-butylphthalate	< 46	U	380	46	ug/Kg
Fluoranthene	240	J	380	38	ug/Kg
Pyrene	320	J	380	38	ug/Kg
Butylbenzylphthalate	< 38	U	380	38	ug/Kg
3,3'-Dichlorobenzidine	< 38	U	380	38	ug/Kg
Benzo(a)anthracene	250	J	380	38	ug/Kg
Chrysene	300	J	380	62	ug/Kg
Bis(2-Ethylhexyl)phthalate	140	J	380	38	ug/Kg
Di-n-octyl phthalate	< 58	U	380	58	ug/Kg
Benzo(b)fluoranthene	320	J	380	38	ug/Kg
Benzo(k)fluoranthene	230	J	380	100	ug/Kg
Benzo(a)pyrene	300	J	380	58	ug/Kg
Indeno(1,2,3-cd)pyrene	140	J	380	62	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13	**Client ID:**	HC-7-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002368.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 58	U	380	58	ug/Kg
Benzo(g,h,i)perylene	170	J	380	50	ug/Kg
SURROGATES					
2-Fluorophenol	163.11	54 %	25 - 121		SPK: 300
Phenol-d5	161.39	54 %	24 - 113		SPK: 300
Nitrobenzene-d5	158.1	79 %	23 - 120		SPK: 200
2-Fluorobiphenyl	137.81	69 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	201.35	67 %	19 - 122		SPK: 300
Terphenyl-d14	137.57	69 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	54224	7.08			
Naphthalene-d8	120086	9.27			
Acenaphthene-d10	75662	12.51			
Phenanthrene-d10	204310	15.29			
Chrysene-d12	225821	20.30			
Perylene-d12	194191	23.36			
TENTITIVE IDENTIFIED COMPOUNDS					
UCP	1900	A	4.43		ug/Kg
UCP	18000	A	4.82		ug/Kg
UCP	1800	A	5.75		ug/Kg
Hexanoic acid	1600	J	6.67		ug/Kg
Undecane, 3,8-dimethyl-	1200	J	8.34		ug/Kg
Naphthalene, decahydro-2-methyl-	1000	J	8.58		ug/Kg
Unknown	1100	J	9.03		ug/Kg
Unknown	1100	J	9.19		ug/Kg
Unknown	1300	J	9.74		ug/Kg
Octane, 2,6-dimethyl-	3500	J	10.02		ug/Kg
Cyclohexane, 1,1,2-trimethyl-	1200	J	10.35		ug/Kg
Unknown	1700	J	10.44		ug/Kg
Undecane, 2,5-dimethyl-	1500	J	10.51		ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13	**Client ID:**	HC-7-10
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002368.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
2,3-Dimethyldecane	1700	J	10.86		ug/Kg
Heptane, 2,6-dimethyl-	1100	J	11.14		ug/Kg
Cyclopentane, 1-butyl-2-pentyl-	1000	J	11.37		ug/Kg
Unknown	1000	J	11.84		ug/Kg
Hexadecane	2000	J	11.99		ug/Kg
Hexadecane, 7,9-dimethyl-	2300	J	13.72		ug/Kg
? -decane, 2,6,10,14-tetramethyl	3200	J	14.22		ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13RE	**Client ID:**	HC-7-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002434.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 190	U	1900	190	ug/Kg
bis(2-Chloroethyl)ether	< 230	U	1900	230	ug/Kg
2-Chlorophenol	< 210	U	1900	210	ug/Kg
1,2-Dichlorobenzene	< 190	U	1900	190	ug/Kg
1,3-Dichlorobenzene	< 230	U	1900	230	ug/Kg
1,4-Dichlorobenzene	< 190	U	1900	190	ug/Kg
2-Methylphenol	< 190	U	1900	190	ug/Kg
2,2'-oxybis(1-chloropropane)	< 190	U	1900	190	ug/Kg
3+4-Methylphenols	< 350	U	1900	350	ug/Kg
N-Nitroso-di-n-propylamine	< 190	U	1900	190	ug/Kg
Hexachloroethane	< 210	U	1900	210	ug/Kg
Nitrobenzene	< 190	U	1900	190	ug/Kg
Isophorone	< 190	U	1900	190	ug/Kg
2-Nitrophenol	< 210	U	1900	210	ug/Kg
2,4-Dimethylphenol	< 440	U	1900	440	ug/Kg
bis(2-Chloroethoxy)methane	< 190	U	1900	190	ug/Kg
2,4-Dichlorophenol	< 250	U	1900	250	ug/Kg
1,2,4-Trichlorobenzene	< 230	U	1900	230	ug/Kg
Naphthalene	< 230	U	1900	230	ug/Kg
4-Chloroaniline	< 230	U	1900	230	ug/Kg
Hexachlorobutadiene	< 290	U	1900	290	ug/Kg
4-Chloro-3-methylphenol	< 210	U	1900	210	ug/Kg
2-Methylnaphthalene	< 230	U	1900	230	ug/Kg
Hexachlorocyclopentadiene	< 730	U	1900	730	ug/Kg
2,4,6-Trichlorophenol	< 190	U	1900	190	ug/Kg
2,4,5-Trichlorophenol	< 190	U	4800	190	ug/Kg
2-Chloronaphthalene	< 230	U	1900	230	ug/Kg
2-Nitroaniline	< 190	U	4800	190	ug/Kg
Dimethylphthalate	< 190	U	1900	190	ug/Kg
Acenaphthylene	< 230	U	1900	230	ug/Kg
2,6-Dinitrotoluene	< 190	U	1900	190	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13RE	**Client ID:**	HC-7-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002434.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 230	U	4800	230	ug/Kg
Acenaphthene	< 230	U	1900	230	ug/Kg
2,4-Dinitrophenol	< 380	U	4800	380	ug/Kg
4-Nitrophenol	< 210	U	4800	210	ug/Kg
Dibenzofuran	< 190	U	1900	190	ug/Kg
2,4-Dinitrotoluene	< 210	U	1900	210	ug/Kg
[illegible]lphthalate	< 190	U	1900	190	ug/Kg
[illegible]orophenyl-phenylether	< 230	U	1900	230	ug/Kg
Fluorene	< 210	U	1900	210	ug/Kg
4-Nitroaniline	< 460	U	4800	460	ug/Kg
4,6-Dinitro-2-methylphenol	< 230	U	4800	230	ug/Kg
N-Nitrosodiphenylamine	< 380	U	1900	380	ug/Kg
4-Bromophenyl-phenylether	< 250	U	1900	250	ug/Kg
Hexachlorobenzene	< 210	U	1900	210	ug/Kg
Pentachlorophenol	< 370	U	4800	370	ug/Kg
Phenanthrene	< 190	U	1900	190	ug/Kg
Anthracene	< 250	U	1900	250	ug/Kg
Carbazole	< 79	U	1900	79	ug/Kg
Di-n-butylphthalate	< 230	U	1900	230	ug/Kg
Fluoranthene	220	J	1900	190	ug/Kg
Pyrene	280	J	1900	190	ug/Kg
Butylbenzylphthalate	< 190	U	1900	190	ug/Kg
3,3'-Dichlorobenzidine	< 190	U	1900	190	ug/Kg
Benzo(a)anthracene	220	J	1900	190	ug/Kg
Chrysene	< 310	U	1900	310	ug/Kg
Bis(2-Ethylhexyl)phthalate	< 190	U	1900	190	ug/Kg
Di-n-octyl phthalate	< 290	U	1900	290	ug/Kg
Benzo(b)fluoranthene	< 190	U	1900	190	ug/Kg
Benzo(k)fluoranthene	< 500	U	1900	500	ug/Kg
Benzo(a)pyrene	< 290	U	1900	290	ug/Kg
Indeno(1,2,3-cd)pyrene	< 310	U	1900	310	ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-13RE	**Client ID:**	HC-7-10RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/25/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002434.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.3	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	15
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 290	U	1900	290	ug/Kg
Benzo(g,h,i)perylene	< 250	U	1900	250	ug/Kg
SURROGATES					
2-Fluorophenol	41.27	69 %	25 - 121		SPK: 300
Phenol-d5	44.21	74 %	24 - 113		SPK: 300
Nitrobenzene-d5	35.89	90 %	23 - 120		SPK: 200
2-Fluorobiphenyl	36.71	92 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	43.26	72 %	19 - 122		SPK: 300
Terphenyl-d14	36.19	90 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	66106	7.05			
Naphthalene-d8	172546	9.23			
Acenaphthene-d10	131578	12.46			
Phenanthrene-d10	289443	15.23			
Chrysene-d12	291695	20.24			
Perylene-d12	230332	23.30			

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-14	**Client ID:**	HC-8-13
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002365.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	18
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 40	U	400	40	ug/Kg
bis(2-Chloroethyl)ether	< 47	U	400	47	ug/Kg
2-Chlorophenol	< 44	U	400	44	ug/Kg
1,2-Dichlorobenzene	< 40	U	400	40	ug/Kg
1,3-Dichlorobenzene	< 47	U	400	47	ug/Kg
1,4-Dichlorobenzene	< 40	U	400	40	ug/Kg
2 ' ' -thylphenol	< 40	U	400	40	ug/Kg
[illegible]xybis(1-chloropropane)	< 40	U	400	40	ug/Kg
3+4-Methylphenols	< 72	U	400	72	ug/Kg
N-Nitroso-di-n-propylamine	< 40	U	400	40	ug/Kg
Hexachloroethane	< 44	U	400	44	ug/Kg
Nitrobenzene	< 40	U	400	40	ug/Kg
Isophorone	< 40	U	400	40	ug/Kg
2-Nitrophenol	< 44	U	400	44	ug/Kg
2,4-Dimethylphenol	< 92	U	400	92	ug/Kg
bis(2-Chloroethoxy)methane	< 40	U	400	40	ug/Kg
2,4-Dichlorophenol	< 52	U	400	52	ug/Kg
1,2,4-Trichlorobenzene	< 47	U	400	47	ug/Kg
Naphthalene	< 47	U	400	47	ug/Kg
4-Chloroaniline	< 47	U	400	47	ug/Kg
Hexachlorobutadiene	< 60	U	400	60	ug/Kg
4-Chloro-3-methylphenol	< 44	U	400	44	ug/Kg
2-Methylnaphthalene	< 47	U	400	47	ug/Kg
Hexachlorocyclopentadiene	< 150	U	400	150	ug/Kg
2,4,6-Trichlorophenol	< 40	U	400	40	ug/Kg
2,4,5-Trichlorophenol	< 40	U	1000	40	ug/Kg
2-Chloronaphthalene	< 47	U	400	47	ug/Kg
2-Nitroaniline	< 40	U	1000	40	ug/Kg
[illegible]ylphthalate	< 40	U	400	40	ug/Kg
Acenaphthylene	< 47	U	400	47	ug/Kg
2,6-Dinitrotoluene	< 40	U	400	40	ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-14	**Client ID:**	HC-8-13
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002365.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	18
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 47	U	1000	47	ug/Kg
Acenaphthene	< 47	U	400	47	ug/Kg
2,4-Dinitrophenol	< 80	U	1000	80	ug/Kg
4-Nitrophenol	< 44	U	1000	44	ug/Kg
Dibenzofuran	< 40	U	400	40	ug/Kg
2,4-Dinitrotoluene	< 44	U	400	44	ug/Kg
Diethylphthalate	< 40	U	400	40	ug/Kg
4-Chlorophenyl-phenylether	< 47	U	400	47	ug/Kg
Fluorene	< 44	U	400	44	ug/Kg
4-Nitroaniline	< 96	U	1000	96	ug/Kg
4,6-Dinitro-2-methylphenol	< 47	U	1000	47	ug/Kg
N-Nitrosodiphenylamine	< 80	U	400	80	ug/Kg
4-Bromophenyl-phenylether	< 52	U	400	52	ug/Kg
Hexachlorobenzene	< 44	U	400	44	ug/Kg
Pentachlorophenol	< 76	U	1000	76	ug/Kg
Phenanthrene	4700	E	400	40	ug/Kg
Anthracene	1200		400	52	ug/Kg
Carbazole	< 16	U	400	16	ug/Kg
Di-n-butylphthalate	< 47	U	400	47	ug/Kg
Fluoranthene	970		400	40	ug/Kg
Pyrene	130	J	400	40	ug/Kg
Butylbenzylphthalate	< 40	U	400	40	ug/Kg
3,3'-Dichlorobenzidine	< 40	U	400	40	ug/Kg
Benzo(a)anthracene	45	J	400	40	ug/Kg
Chrysene	90	J	400	64	ug/Kg
Bis(2-Ethylhexyl)phthalate	180	J	400	40	ug/Kg
Di-n-octyl phthalate	< 60	U	400	60	ug/Kg
Benzo(b)fluoranthene	43	J	400	40	ug/Kg
Benzo(k)fluoranthene	< 100	U	400	100	ug/Kg
Benzo(a)pyrene	< 60	U	400	60	ug/Kg
Indeno(1,2,3-cd)pyrene	< 64	U	400	64	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-14	**Client ID:**	HC-8-13
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002365.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	18
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 60	U	400	60	ug/Kg
Benzo(g,h,i)perylene	< 52	U	400	52	ug/Kg
SURROGATES					
2-Fluorophenol	493.21	164 %	25 - 121		SPK: 300
Phenol-d5	406.6	136 %	24 - 113		SPK: 300
Nitrobenzene-d5	426.65	213 %	23 - 120		SPK: 200
2-Fluorobiphenyl	60.91	30 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	104.32	35 %	19 - 122		SPK: 300
Terphenyl-d14	110.86	55 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	17198	7.09			
Naphthalene-d8	11137	9.31			
Acenaphthene-d10	38950	12.67			
Phenanthrene-d10	28425	15.41			
Chrysene-d12	159601	20.31			
Perylene-d12	151921	23.36			
TENTITIVE IDENTIFIED COMPOUNDS					
UNKNOWN	980	A	4.42		ug/Kg
UNKNOWN	8500	A	4.82		ug/Kg
UNKNOWN	1500	A	5.63		ug/Kg
UNKNOWN	710	A	5.74		ug/Kg
Nonane, 3-methyl-	1200	J	5.90		ug/Kg
Octane, 2,3-dimethyl-	2200	J	5.96		ug/Kg
Undecane, 5,6-dimethyl-	730	J	6.16		ug/Kg
1-Octene, 2,6-dimethyl-, [S-(E)]-	1100	J	6.32		ug/Kg
Cyclohexane, 1,4-dimethyl-	700	J	6.63		ug/Kg
Naphthalene, decahydro-, trans-	800	J	7.69		ug/Kg
Unknown	2900	J	8.04		ug/Kg
Naphthalene, decahydro-2-methyl-	740	J	8.60		ug/Kg
Unknown	720	J	8.69		ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-14	**Client ID:**	HC-8-13
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002365.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	18
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
Unknown	810	J	9.25		ug/Kg
Decane, 2,6,8-trimethyl-	2300	J	9.50		ug/Kg
Decane, 2-methyl-	1900	J	10.17		ug/Kg
Dodecane, 2,5-dimethyl-	750	J	10.59		ug/Kg
Undecane, 3,8-dimethyl-	810	J	12.18		ug/Kg
Octadecane, 2,6-dimethyl-	2500	J	14.41		ug/Kg
Dodecane	810	J	15.25		ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-14DL	**Client ID:**	HC-8-13DL
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002384.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Wol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	18
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 200	U	2000	200	ug/Kg
bis(2-Chloroethyl)ether	< 240	U	2000	240	ug/Kg
2-Chlorophenol	< 220	U	2000	220	ug/Kg
1,2-Dichlorobenzene	< 200	U	2000	200	ug/Kg
,3-Dichlorobenzene	< 240	U	2000	240	ug/Kg
,4-Dichlorobenzene	< 200	U	2000	200	ug/Kg
hylphenol	< 200	U	2000	200	ug/Kg
,2-oxybis(1-chloropropane)	< 200	U	2000	200	ug/Kg
+4-Methylphenols	< 360	U	2000	360	ug/Kg
N-Nitroso-di-n-propylamine	< 200	U	2000	200	ug/Kg
Hexachloroethane	< 220	U	2000	220	ug/Kg
Nitrobenzene	< 200	U	2000	200	ug/Kg
sophorone	< 200	U	2000	200	ug/Kg
-Nitrophenol	< 220	U	2000	220	ug/Kg
,4-Dimethylphenol	< 460	U	2000	460	ug/Kg
is(2-Chloroethoxy)methane	< 200	U	2000	200	ug/Kg
,4-Dichlorophenol	< 260	U	2000	260	ug/Kg
,2,4-Trichlorobenzene	< 240	U	2000	240	ug/Kg
Naphthalene	< 240	U	2000	240	ug/Kg
-Chloroaniline	< 240	U	2000	240	ug/Kg
Hexachlorobutadiene	< 300	U	2000	300	ug/Kg
-Chloro-3-methylphenol	< 220	U	2000	220	ug/Kg
-Methylnaphthalene	< 240	U	2000	240	ug/Kg
Hexachlorocyclopentadiene	< 760	U	2000	760	ug/Kg
,4,6-Trichlorophenol	< 200	U	2000	200	ug/Kg
,4,5-Trichlorophenol	< 200	U	5000	200	ug/Kg
-Chloronaphthalene	< 240	U	2000	240	ug/Kg
N aniline	< 200	U	5000	200	ug/Kg
ylphthalate	< 200	U	2000	200	ug/Kg
cenaphthylene	< 240	U	2000	240	ug/Kg
6-Dinitrotoluene	< 200	U	2000	200	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-14DL **Client ID:** HC-8-13DL

Date Collected: 8/9/02 **Date Received:** 8/10/02
Date Analyzed: 8/22/02 **Matrix:** SOIL
Date Extracted: 8/16/02 **File ID:** BC002384.D
Dilution: 5 **Instrument ID:** 5970C
Analytical Method: 8270 **Analytical Run ID:** 1
Sample Wt/Vol: 30.2 **Extract Vol:** 1000
Injection Vol: 2 **% Moisture:** 18
Associated Blank: PB081602-20B

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 240	U	5000	240	ug/Kg
Acenaphthene	< 240	U	2000	240	ug/Kg
2,4-Dinitrophenol	< 400	U	5000	400	ug/Kg
4-Nitrophenol	< 220	U	5000	220	ug/Kg
Dibenzofuran	< 200	U	2000	200	ug/Kg
2,4-Dinitrotoluene	< 220	U	2000	220	ug/Kg
Diethylphthalate	< 200	U	2000	200	ug/Kg
4-Chlorophenyl-phenylether	< 240	U	2000	240	ug/Kg
Fluorene	1500	JD	2000	220	ug/Kg
4-Nitroaniline	< 480	U	5000	480	ug/Kg
4,6-Dinitro-2-methylphenol	< 240	U	5000	240	ug/Kg
N-Nitrosodiphenylamine	< 400	U	2000	400	ug/Kg
4-Bromophenyl-phenylether	< 260	U	2000	260	ug/Kg
Hexachlorobenzene	< 220	U	2000	220	ug/Kg
Pentachlorophenol	< 380	U	5000	380	ug/Kg
Phenanthrene	2800	D	2000	200	ug/Kg
Anthracene	710	JD	2000	260	ug/Kg
Carbazole	< 82	U	2000	82	ug/Kg
Di-n-butylphthalate	< 240	U	2000	240	ug/Kg
Fluoranthene	250	JD	2000	200	ug/Kg
Pyrene	< 200	U	2000	200	ug/Kg
Butylbenzylphthalate	< 200	U	2000	200	ug/Kg
3,3'-Dichlorobenzidine	< 200	U	2000	200	ug/Kg
Benzo(a)anthracene	< 200	U	2000	200	ug/Kg
Chrysene	< 320	U	2000	320	ug/Kg
bis(2-Ethylhexyl)phthalate	< 200	U	2000	200	ug/Kg
Di-n-octyl phthalate	< 300	U	2000	300	ug/Kg
Benzo(b)fluoranthene	< 200	U	2000	200	ug/Kg
Benzo(k)fluoranthene	< 520	U	2000	520	ug/Kg
Benzo(a)pyrene	< 300	U	2000	300	ug/Kg
Indeno(1,2,3-cd)pyrene	< 320	U	2000	320	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-14DL	**Client ID:**	HC-8-13DL
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/22/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002384.D
Dilution:	5	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	1
Sample Wt/Vol:	30.2	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	18
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 300	U	2000	300	ug/Kg
Benzo(g,h,i)perylene	< 260	U	2000	260	ug/Kg
SURROGATES					
2-Fluorophenol	25.43	42 %	25 - 121		SPK: 300
Phenol-d5	25.73	43 %	24 - 113		SPK: 300
Nitrobenzene-d5	16.03	40 %	23 - 120		SPK: 200
2-Fluorobiphenyl	26.41	66 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	22.07	37 %	19 - 122		SPK: 300
Terphenyl-d14	21.56	54 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	53734	7.08			
Naphthalene-d8	121669	9.28			
Acenaphthene-d10	61221	12.52			
Phenanthrene-d10	139723	15.29			
Chrysene-d12	200289	20.29			
Perylene-d12	113427	23.35			

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-15	**Client ID:**	HC-9-12
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002366.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	19
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 41	U	410	41	ug/Kg
bis(2-Chloroethyl)ether	< 48	U	410	48	ug/Kg
2-Chlorophenol	< 45	U	410	45	ug/Kg
1,2-Dichlorobenzene	< 41	U	410	41	ug/Kg
,3-Dichlorobenzene	< 48	U	410	48	ug/Kg
,4-Dichlorobenzene	< 41	U	410	41	ug/Kg
2-Methylphenol	< 41	U	410	41	ug/Kg
2,2'-oxybis(1-chloropropane)	< 41	U	410	41	ug/Kg
3+4-Methylphenols	< 73	U	410	73	ug/Kg
N-Nitroso-di-n-propylamine	< 41	U	410	41	ug/Kg
Hexachloroethane	< 45	U	410	45	ug/Kg
Nitrobenzene	< 41	U	410	41	ug/Kg
sophorone	< 41	U	410	41	ug/Kg
2-Nitrophenol	< 45	U	410	45	ug/Kg
,4-Dimethylphenol	< 94	U	410	94	ug/Kg
is(2-Chloroethoxy)methane	< 41	U	410	41	ug/Kg
,4-Dichlorophenol	< 53	U	410	53	ug/Kg
,2,4-Trichlorobenzene	< 48	U	410	48	ug/Kg
Naphthalene	< 48	U	410	48	ug/Kg
4-Chloroaniline	< 48	U	410	48	ug/Kg
exachlorobutadiene	< 61	U	410	61	ug/Kg
4-Chloro-3-methylphenol	< 45	U	410	45	ug/Kg
2-Methylnaphthalene	< 48	U	410	48	ug/Kg
exachlorocyclopentadiene	< 150	U	410	150	ug/Kg
4,6-Trichlorophenol	< 41	U	410	41	ug/Kg
4,5-Trichlorophenol	< 41	U	1000	41	ug/Kg
2-Chloronaphthalene	< 48	U	410	48	ug/Kg
2-Nitroaniline	< 41	U	1000	41	ug/Kg
imethylphthalate	< 41	U	410	41	ug/Kg
cenaphthylene	< 48	U	410	48	ug/Kg
6-Dinitrotoluene	< 41	U	410	41	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-15	**Client ID:**	HC-9-12
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002366.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Wol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	19
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 48	U	1000	48	ug/Kg
Acenaphthene	< 48	U	410	48	ug/Kg
2,4-Dinitrophenol	< 81	U	1000	81	ug/Kg
4-Nitrophenol	< 45	U	1000	45	ug/Kg
Dibenzofuran	< 41	U	410	41	ug/Kg
2,4-Dinitrotoluene	< 45	U	410	45	ug/Kg
[redacted]lphthalate	< 41	U	410	41	ug/Kg
4-[redacted]lorophenyl-phenylether	< 48	U	410	48	ug/Kg
Fluorene	< 45	U	410	45	ug/Kg
4-Nitroaniline	< 98	U	1000	98	ug/Kg
4,6-Dinitro-2-methylphenol	< 48	U	1000	48	ug/Kg
N-Nitrosodiphenylamine	< 81	U	410	81	ug/Kg
4-Bromophenyl-phenylether	< 53	U	410	53	ug/Kg
Hexachlorobenzene	< 45	U	410	45	ug/Kg
Pentachlorophenol	< 77	U	1000	77	ug/Kg
Phenanthrene	< 41	U	410	41	ug/Kg
Anthracene	< 53	U	410	53	ug/Kg
Carbazole	< 17	U	410	17	ug/Kg
Di-n-butylphthalate	< 48	U	410	48	ug/Kg
Fluoranthene	< 41	U	410	41	ug/Kg
Pyrene	< 41	U	410	41	ug/Kg
Butylbenzylphthalate	< 41	U	410	41	ug/Kg
3,3'-Dichlorobenzidine	< 41	U	410	41	ug/Kg
Benzo(a)anthracene	< 41	U	410	41	ug/Kg
Chrysene	< 65	U	410	65	ug/Kg
bis(2-Ethylhexyl)phthalate	150	J	410	41	ug/Kg
Di-n-octyl phthalate	< 61	U	410	61	ug/Kg
Be[redacted]b)fluoranthene	< 41	U	410	41	ug/Kg
[redacted](k)fluoranthene	< 110	U	410	110	ug/Kg
Benzo(a)pyrene	< 61	U	410	61	ug/Kg
Indeno(1,2,3-cd)pyrene	< 65	U	410	65	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-15	**Client ID:**	HC-9-12
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002366.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	19
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 61	U	410	61	ug/Kg
Benzo(g,h,i)perylene	< 53	U	410	53	ug/Kg
SURROGATES					
-Fluorophenol	149.94	50 %	25 - 121		SPK: 300
Phenol-d5	158.13	53 %	24 - 113		SPK: 300
Nitrobenzene-d5	128.48	64 %	23 - 120		SPK: 200
-Fluorobiphenyl	164.82	82 %	30 - 116		SPK: 200
,4,6-Tribromophenol	157.32	52 %	19 - 122		SPK: 300
Terphenyl-d14	120.07	60 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
,4-Dichlorobenzene-d4	53564	7.08			
Naphthalene-d8	143930	9.27			
Acenaphthene-d10	73221	12.51			
Phenanthrene-d10	110277	15.30			
Chrysene-d12	203880	20.29			
Perylene-d12	180290	23.35			
TENTITIVE IDENTIFIED COMPOUNDS					
Hexanal	700	J	4.15		ug/Kg
PAH	2000	A	4.42		ug/Kg
PAH	650	A	4.82		ug/Kg
PAH	2100	A	5.74		ug/Kg
Hexanoic acid	760	J	6.62		ug/Kg
Tridecane, 7-methyl-	1500	J	10.00		ug/Kg
Dodecane, 2,6,10-trimethyl-	1100	J	11.12		ug/Kg
Decahydro-4,4,8,9,10-pentamethyl	1100	J	11.91		ug/Kg
Hexadecane	2100	J	11.99		ug/Kg
1-Anthracenamine	1400	J	12.28		ug/Kg
Diallyldivinylsilane	940	J	12.42		ug/Kg
Decane, 3,8-dimethyl-	800	J	12.81		ug/Kg
Decane, 3-methyl-	730	J	12.98		ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-15	**Client ID:**	HC-9-12
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/21/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002366.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	BC082102
Sample Wt/Vol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	19
Associated Blank:			

Parameter	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS					
3,8-Decanedione, 2,2,9,9-tetrameth	710	J	13.22		ug/Kg
Eicosane, 2-methyl-	1600	J	13.75		ug/Kg
Heptadecane, 2,6-dimethyl-	3800	J	14.26		ug/Kg
Hexadecane, 2,6,10,14-tetramethyl-	2100	J	15.12		ug/Kg
Pentadecane, 4-methyl-	830	J	15.77		ug/Kg
Docosane, 2,21-dimethyl-	700	J	17.14		ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID: P3704-15RE

Client ID: HC-9-12RE

Date Collected: 8/9/02
Date Analyzed: 8/26/02
Date Extracted: 8/16/02
Dilution: 1
Analytical Method: 8270
Sample Wt/Wol: 30.0
Injection Vol: 2
Associated Blank: PB081602-20B

Date Received: 8/10/02
Matrix: SOIL
File ID: BC002466.D
Instrument ID: 5970C
Analytical Run ID: 2
Extract Vol: 1000
% Moisture: 19

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Phenol	< 41	U	410	41	ug/Kg
bis(2-Chloroethyl)ether	< 48	U	410	48	ug/Kg
2-Chlorophenol	< 45	U	410	45	ug/Kg
1,2-Dichlorobenzene	< 41	U	410	41	ug/Kg
1,3-Dichlorobenzene	< 48	U	410	48	ug/Kg
1,4-Dichlorobenzene	< 41	U	410	41	ug/Kg
2-Methylphenol	< 41	U	410	41	ug/Kg
2,2'-oxybis(1-chloropropane)	< 41	U	410	41	ug/Kg
3+4-Methylphenols	< 73	U	410	73	ug/Kg
N-Nitroso-di-n-propylamine	< 41	U	410	41	ug/Kg
Hexachloroethane	< 45	U	410	45	ug/Kg
Nitrobenzene	< 41	U	410	41	ug/Kg
Isophorone	< 41	U	410	41	ug/Kg
2-Nitrophenol	< 45	U	410	45	ug/Kg
2,4-Dimethylphenol	< 94	U	410	94	ug/Kg
bis(2-Chloroethoxy)methane	< 41	U	410	41	ug/Kg
2,4-Dichlorophenol	< 53	U	410	53	ug/Kg
1,2,4-Trichlorobenzene	< 48	U	410	48	ug/Kg
Naphthalene	< 48	U	410	48	ug/Kg
4-Chloroaniline	< 48	U	410	48	ug/Kg
Hexachlorobutadiene	< 61	U	410	61	ug/Kg
4-Chloro-3-methylphenol	< 45	U	410	45	ug/Kg
2-Methylnaphthalene	< 48	U	410	48	ug/Kg
Hexachlorocyclopentadiene	< 150	U	410	150	ug/Kg
2,4,6-Trichlorophenol	< 41	U	410	41	ug/Kg
2,4,5-Trichlorophenol	< 41	U	1000	41	ug/Kg
2-Chloronaphthalene	< 48	U	410	48	ug/Kg
2-Nitroaniline	< 41	U	1000	41	ug/Kg
Dimethylphthalate	< 41	U	410	41	ug/Kg
Acenaphthylene	< 48	U	410	48	ug/Kg
2,6-Dinitrotoluene	< 41	U	410	41	ug/Kg

Chemtech Consulting Group

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-15RE	**Client ID:**	HC-9-12RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/26/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002466.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Vol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	19
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
3-Nitroaniline	< 48	U	1000	48	ug/Kg
Acenaphthene	< 48	U	410	48	ug/Kg
2,4-Dinitrophenol	< 81	U	1000	81	ug/Kg
4-Nitrophenol	< 45	U	1000	45	ug/Kg
Dibenzofuran	< 41	U	410	41	ug/Kg
2,4-Dinitrotoluene	< 45	U	410	45	ug/Kg
[illegible]lphthalate	< 41	U	410	41	ug/Kg
4-Chlorophenyl-phenylether	< 48	U	410	48	ug/Kg
Fluorene	< 45	U	410	45	ug/Kg
4-Nitroaniline	< 98	U	1000	98	ug/Kg
4,6-Dinitro-2-methylphenol	< 48	U	1000	48	ug/Kg
N-Nitrosodiphenylamine	< 81	U	410	81	ug/Kg
4-Bromophenyl-phenylether	< 53	U	410	53	ug/Kg
Hexachlorobenzene	< 45	U	410	45	ug/Kg
Pentachlorophenol	< 77	U	1000	77	ug/Kg
Phenanthrene	< 41	U	410	41	ug/Kg
Anthracene	< 53	U	410	53	ug/Kg
Carbazole	< 17	U	410	17	ug/Kg
Di-n-butylphthalate	< 48	U	410	48	ug/Kg
Fluoranthene	< 41	U	410	41	ug/Kg
Pyrene	< 41	U	410	41	ug/Kg
Butylbenzylphthalate	< 41	U	410	41	ug/Kg
3,3'-Dichlorobenzidine	< 41	U	410	41	ug/Kg
Benzo(a)anthracene	< 41	U	410	41	ug/Kg
Chrysene	< 65	U	410	65	ug/Kg
bis(2-Ethylhexyl)phthalate	100	JB	410	41	ug/Kg
Di-n-octyl phthalate	< 61	U	410	61	ug/Kg
[illegible](b)fluoranthene	< 41	U	410	41	ug/Kg
[illegible](k)fluoranthene	< 110	U	410	110	ug/Kg
Benzo(a)pyrene	< 61	U	410	61	ug/Kg
Indeno(1,2,3-cd)pyrene	< 65	U	410	65	ug/Kg

SVOC-TCL BNA

SDG No.: P3704-01

Client: Holt Consulting

Sample ID:	P3704-15RE	**Client ID:**	HC-9-12RE
Date Collected:	8/9/02	**Date Received:**	8/10/02
Date Analyzed:	8/26/02	**Matrix:**	SOIL
Date Extracted:	8/16/02	**File ID:**	BC002466.D
Dilution:	1	**Instrument ID:**	5970C
Analytical Method:	8270	**Analytical Run ID:**	2
Sample Wt/Wol:	30.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	19
Associated Blank:	PB081602-20B		

Parameter	Concentration	C	RDL	MDL	Units
TARGETS					
Dibenz(a,h)anthracene	< 61	U	410	61	ug/Kg
Benzo(g,h,i)perylene	< 53	U	410	53	ug/Kg
SURROGATES					
2-Fluorophenol	193.16	64 %	25 - 121		SPK: 300
Phenol-d5	202.17	67 %	24 - 113		SPK: 300
Nitrobenzene-d5	149.19	75 %	23 - 120		SPK: 200
2-Fluorobiphenyl	166.74	83 %	30 - 116		SPK: 200
2,4,6-Tribromophenol	329.59	110 %	19 - 122		SPK: 300
Terphenyl-d14	120.47	60 %	18 - 137		SPK: 200
INTERNAL STANDARDS					
1,4-Dichlorobenzene-d4	57731	7.02			
Naphthalene-d8	156730	9.20			
Acenaphthene-d10	71084	12.44			
Phenanthrene-d10	110353	15.23			
Chrysene-d12	248322	20.23			
Perylene-d12	216554	23.28			

METALS

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Holt Consulting **SDG No.:** P3704 **Method Type:** SW846

Sample ID: P3704-05 **Client ID:** HC-6-2A

Contract: Holt Consulting **Lab Code:** CHEMED **Case No.:** **SAS No.:** P3704

Matrix: SOIL **Date Received:** 8/10/02 **Level:** LOW

% Solids: 99.000

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
40-38-2	Arsenic	8.0	mg/Kg			P	0.36	P1	P182302

Color Before: BROWN **Clarity Before:** **Texture:** MEDIUM

Color After: YELLOW **Clarity After:** **Artifacts:**

Comments:

METALS

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Holt Consulting **SDG No.:** P3704 **Method Type:** SW846

Sample ID: P3704-06 **Client ID:** HC-6-2B

Contract: Holt Consulting **Lab Code:** CHEMED **Case No.:** **SAS No.:** P3704

Matrix: SOIL **Date Received:** 8/10/02 **Level:** LOW

% Solids: 99.000

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
40-38-2	Arsenic	12.2	mg/Kg			P	0.36	P1	P182302

Color Before: BROWN **Clarity Before:** **Texture:** MEDIUM

Color After: YELLOW **Clarity After:** **Artifacts:**

Comments:

Chemtech Consulting Group

METALS

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Holt Consulting **SDG No.:** P3704 **Method Type:** SW846

Sample ID: P3704-07 **Client ID:** HC-6-2C

Contract: Holt Consulting **Lab Code:** CHEMED **Case No.:** **SAS No.:** P3704

Matrix: SOIL **Date Received:** 8/10/02 **Level:** LOW

% Solids: 100.000

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
40-38-2	Arsenic	5.5	mg/Kg			P	0.36	P1	P182302

Color Before: BROWN **Clarity Before:** **Texture:** MEDIUM

Color After: YELLOW **Clarity After:** **Artifacts:**

Comments:

Hit Summary Sheet
SW-846

SDG No.: P3704

Client: Holt Consulting

mple ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
arameter:	Arsenic							
3704-05	HC-6-2A	SOIL	Arsenic	8.0		1.0	0.00	mg/Kg
3704-06	HC-6-2B	SOIL	Arsenic	12.2		1.0	0.00	mg/Kg
3704-07	HC-6-2C	SOIL	Arsenic	5.5		1.0	0.00	mg/Kg

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

o.: P3704

Sample ID:	P3704-01	**Client ID:**	HC-4-02
Contract:	Holt Consulting	**Date Collected:**	8/9/02
Date Received:	8/10/02		
Matrix:	WATER	**% Solids:**	0.00

Analyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	< 1.0	mg/L	U		1	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3704

Sample ID: P3704-02 **Client ID:** HC-4A-02

Contract: Holt Consulting **Date Collected:** 8/9/02 **Date Received:** 8/10/02

Matrix: WATER **% Solids:** 0.00

ıalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	1.1	mg/L			1	8/19/02

ımments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

o.: P3704

Sample ID:	P3704-03	**Client ID:**	HC-5-02
Contract:	Holt Consulting	**Date Collected:**	8/9/02
Date Received:	8/10/02		
Matrix:	WATER	**% Solids:**	0.00

Analyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	< 1.0	mg/L	U		1	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3704

Sample ID: P3704-04 **Client ID:** HC-8

Contract: Holt Consulting **Date Collected:** 8/9/02 **Date Received:** 8/10/02

Matrix: WATER **% Solids:** 0.00

ıalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	7.600	mg/L			1	8/19/02

ɔmments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

.: P3704

Sample ID:	P3704-09	**Client ID:**	FS-2A
Contract:	Holt Consulting	**Date Collected:**	8/9/02
Date Received:	8/10/02		
Matrix:	SOIL	**% Solids:**	89.20

alyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	290	mg/Kg			1	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3704

Sample ID:	**P3704-10**	**Client ID:**	**FS-6-10**
Contract:	**Holt Consulting**	**Date Collected:**	**8/9/02**
Matrix:	**SOIL**	**% Solids:**	**95.20**

Date Received: **8/10/02**

ıalyte	**Method**	**Result**	**Units**	**C**	**Qual**	**DF**	**Analytical Date**
H	EPA 418.1	1100	mg/Kg			2	8/19/02

ɔmments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

o.: P3704

Sample ID:	P3704-11	**Client ID:**	B10-9
Contract:	Holt Consulting	**Date Collected:**	8/9/02
Date Received:	8/10/02		
Matrix:	SOIL	**% Solids:**	84.50

alyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	5000	mg/Kg			8	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

DG No.: P3704

Sample ID: P3704-12 **Client ID:** C10-10

Contract: Holt Consulting **Date Collected:** 8/9/02 **Date Received:** 8/10/02

Matrix: SOIL **% Solids:** 83.20

nalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	2300	mg/Kg			3	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

o.: P3704

Sample ID:	P3704-13	**Client ID:**	HC-7-10
Contract:	Holt Consulting	**Date Collected:**	8/9/02
Date Received:	8/10/02		
Matrix:	SOIL	**% Solids:**	85.30

nalyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	270	mg/Kg			1	8/19/02

mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

)G No.: P3704

Sample ID: P3704-14 **Client ID:** HC-8-13

Contract: Holt Consulting **Date Collected:** 8/9/02 **Date Received:** 8/10/02

Matrix: SOIL **% Solids:** 82.30

ıalyte	Method	Result	Units	C	Qual	DF	Analytical Date
'H	EPA 418.1	2500	mg/Kg			5	8/19/02

)mments:

Chemtech Consulting Group

GENERAL CHEMISTRY
Analyses Data Sheet

o.: P3704

Sample ID:	P3704-15	**Client ID:**	HC-9-12
Contract:	Holt Consulting	**Date Collected:**	8/9/02
Date Received:	8/10/02		
Matrix:	SOIL	**% Solids:**	80.50

alyte	Method	Result	Units	C	Qual	DF	Analytical Date
H	EPA 418.1	590	mg/Kg			1	8/19/02

mments: